

frmIntroduccio - 1

Option Explicit
Dim x As Integer

Private Sub Command1_Click()

End Sub

Private Sub cmdEntra_Click()

 i = Val(txtIntrodueix.Text)

 If i >= 2 And i <= 11 Then

 Unload frmIntroduccio

 Else

 MsgBox "El número de dades ha ser més gran o igual que 2 i més petit o igual que 11"
, 16, "ERROR"

 End If

End Sub

Private Sub lblIntroducció_Click()

End Sub

VERSION 5.00

Begin VB.Form frmIntroduccio

```
BackColor      = &H00000000&
Caption        = "Introducció"
ClientHeight   = 5775
ClientLeft     = 105
ClientTop      = 390
ClientWidth    = 8025
ControlBox     = 0 'False
LinkTopic      = "Form1"
MaxButton      = 0 'False
MinButton      = 0 'False
ScaleHeight    = 5775
ScaleWidth     = 8025
```

Begin VB.CommandButton cmdEntra

```
BackColor      = &H00E0E0E0&
Caption        = "&Entra"
```

BeginProperty Font

```
Name          = "Palatino Linotype"
Size          = 18
Charset       = 0
Weight       = 400
Underline    = 0 'False
Italic       = 0 'False
Strikethrough = 0 'False
```

EndProperty

```
Height        = 495
Left          = 6000
Style         = 1 'Graphical
TabIndex      = 4
Top           = 4680
Width         = 1575
```

End

Begin VB.TextBox txtIntrodueix

```
Alignment      = 2 'Center
Height         = 375
Left           = 4560
TabIndex       = 2
Top            = 4680
Width          = 855
```

End

Begin VB.Label Label3

```
BackColor      = &H80000012&
Caption        = <...>
```

BeginProperty Font

```
Name          = "Palatino Linotype"
Size          = 14.25
Charset       = 0
Weight       = 400
Underline    = 0 'False
Italic       = 0 'False
Strikethrough = 0 'False
```

EndProperty

```
ForeColor      = &H8000000E&
Height         = 2055
Left           = 960
TabIndex       = 7
Top            = 2400
Width          = 6435
```

End

Begin VB.Label Label2

```
AutoSize       = -1 'True
BackColor      = &H80000012&
Caption        = "Mínim : 2 dades"
```

BeginProperty Font

```
Name           = "Palatino Linotype"
Size           = 8.25
Charset        = 0
Weight         = 400
Underline      = 0 'False
Italic         = 0 'False
Strikethrough  = 0 'False
EndProperty
ForeColor      = &H00FF00FF&
Height         = 240
Left           = 2640
TabIndex       = 6
Top            = 5400
Width          = 1170
End
Begin VB.Label Label1
AutoSize       = -1 'True
BackColor      = &H00000000&
Caption        = "Màxim : 11 dades"
BeginProperty Font
Name           = "Palatino Linotype"
Size           = 8.25
Charset        = 0
Weight         = 400
Underline      = 0 'False
Italic         = 0 'False
Strikethrough  = 0 'False
EndProperty
ForeColor      = &H00FF00FF&
Height         = 240
Left           = 600
TabIndex       = 5
Top            = 5400
Width          = 1395
End
Begin VB.Label lblPractica
BackColor      = &H00000000&
Caption        = "PRACTICA!!"
BeginProperty Font
Name           = "Comic Sans MS"
Size           = 72
Charset        = 0
Weight         = 400
Underline      = 0 'False
Italic         = 0 'False
Strikethrough  = 0 'False
EndProperty
ForeColor      = &H0000FFFF&
Height         = 1935
Left           = 120
TabIndex       = 3
Top            = 120
Width          = 9015
End
Begin VB.Label lblMaxim
BackColor      = &H00000000&
Caption        = "NOTA: Màxim 13 dades"
BeginProperty Font
Name           = "Palatino Linotype"
Size           = 9
Charset        = 0
Weight         = 400
Underline      = 0 'False
Italic         = 0 'False
Strikethrough  = 0 'False
```

```
EndProperty
ForeColor      =   &H00FFFFC0&
Height        =   255
Left          =   1200
TabIndex      =   1
Top           =   8640
Width         =   2295
```

End

```
Begin VB.Label lblIntrodueix
```

```
AutoSize      =   -1 'True
BackColor     =   &H00000000&
Caption       =   "Quantes dades vols introduir?"
```

```
BeginProperty Font
```

```
  Name        =   "Palatino Linotype"
  Size        =   14.25
  Charset     =   0
  Weight      =   400
  Underline   =   0 'False
  Italic      =   0 'False
  Strikethrough = 0 'False
```

```
EndProperty
```

```
ForeColor     =   &H000000FF&
Height        =   390
Left          =   360
TabIndex      =   0
Top           =   4680
Width         =   3690
```

End

End

Option Explicit

```
Dim n(10) As Double
Dim m(10) As Double
Dim l1_1(10) As Double
Dim maux As Double
Dim a3 As Double
Dim mitja As Double
Dim es As Double
Dim eac As Double
Dim ea As Double

Dim nn As Double

Dim er As Double
Dim sigma_quadrat As Double

Dim g2 As Variant

Dim q As Integer

Dim num2 As Integer
Dim num3 As Integer
Dim u As Integer

Dim c1 As Integer
Dim c2 As Integer

Dim l As Integer
Dim c7 As Integer
Dim c8 As Integer
Dim c10 As Integer

Dim punt As Long
```

```
Private Sub cmdCalcula_Click()
    CalcularError
End Sub
```

```
Sub CalcularError()

    opXMitjana.SetFocus

    For c1 = 0 To 10
        n(c1) = Val(Text1(c1))
    Next c1

    maux = 0
    For c2 = 1 To i
        maux = maux + n(c2 - 1)
    Next c2
    m(i - 2) = maux / i
```

```
Dim num(10) As String
Dim c15 As Integer
```

```

Dim nc As Integer
Dim decim As Integer
Dim ncl As Integer

```

```

ncl = 0
num2 = 0
For c15 = 0 To 10
    num(c15) = Text1(c15)
    nc = Len(num(c15))

    punt = InStr(num(c15), ".")

    decim = nc - punt
    If decim = nc Then
        ncl = ncl + 1
    Else
        If decim > num2 Then num2 = decim
    End If
Next c15

```

```

If ncl = i Then num2 = 0

```

```

If m(i - 2) >= 1 Then
    txtResultat.Text = Str$(m(i - 2))
Else
    If m(i - 2) < 1 And m(i - 2) > 0 Then
        txtResultat.Text = "0" + Str$(m(i - 2))
    Else
        If m(i - 2) = 0 Then
            txtResultat.Text = Str$(0)
        Else
            If m(i - 2) < 0 And m(i - 2) > -1 Then
                txtResultat.Text = "-" + "0" + Str$(-m(i - 2))
            Else
                If m(i - 2) <= 1 Then
                    txtResultat.Text = Str$(m(i - 2))
                End If
            End If
        End If
    End If
End If

```

```

lblResultat.Caption = "Mitjana"

```

```

nn = 0
For c10 = 0 To (i - 1)
    ll_1(c10) = n(c10) - m(i - 2)
    If ll_1(c10) < 0 Then
        ll_1(c10) = -ll_1(c10)
    End If

```

```

c7 = num2 + 2

c8 = c7
Dim g As Variant
Dim g1 As Variant
If c7 > 10 Then c7 = 10
  If c7 = 1 Then g = "0.0"
  If c7 = 2 Then g = "0.00"
  If c7 = 3 Then g = "0.000"
  If c7 = 4 Then g = "0.0000"
  If c7 = 5 Then g = "0.00000"
  If c7 = 6 Then g = "0.000000"
  If c7 = 7 Then g = "0.0000000"
  If c7 = 8 Then g = "0.00000000"
  If c7 = 9 Then g = "0.000000000"
  If c7 = 10 Then g = "0.000000000"

  If c8 > 6 Then c8 = 6
  If c8 = 1 Then g1 = "0.00"
  If c8 = 2 Then g1 = "0.0000"
  If c8 = 3 Then g1 = "0.000000"
  If c8 = 4 Then g1 = "0.00000000"
  If c8 = 5 Then g1 = "0.0000000000"
  If c8 = 6 Then g1 = "0.000000000000"

  Label2(c10) = Format(((n(c10) - m(i - 2)) * (n(c10) - m(i - 2))), g1)
  Label1(c10) = Format(l1_1(c10), g)

  nn = nn + ((n(c10) - m(i - 2)) * (n(c10) - m(i - 2)))
Next c10

nn = nn / (i * (i - 1))

arrodoneix_a_dues_xifra (nn)
sigma_quadrat = a3

If nn <> 0 Then
  eac = Sqr(nn)
  arrodoneix_a_una_xifra (eac)
  eac = a3

  num3 = u + 1

Else

  eac = 0

End If

```

```
es = 1 / 10 ^ num2
```

```
If eac > es Then
```

```
    ea = eac
```

```
Else
```

```
    ea = es
```

```
End If
```

```
    If num2 <= num3 Then q = num2
```

```
        If num2 > num3 Then q = num3
```

```
    If q = 0 Then g2 = "0"
```

```
        If q = 1 Then g2 = "0.0"
```

```
    If q = 2 Then g2 = "0.00"
```

```
        If q = 3 Then g2 = "0.000"
```

```
        If q = 4 Then g2 = "0.0000"
```

```
            If q = 5 Then g2 = "0.00000"
```

```
            If q = 6 Then g2 = "0.000000"
```

```
            If q = 7 Then g2 = "0.00000000"
```

```
        If q = 8 Then g2 = "0.000000000"
```

```
        If q > 8 Then g2 = "0.000000000"
```

```
Dim e As Double
```

```
Dim e1 As Double
```

```
e = m(i - 2) * 10 ^ q
```

```
e1 = e - Int(e)
```

```
e1 = e1 * 10
```

```
If e1 < 5 Then
```

```
    mitja = Int(e) / (10 ^ q)
```

```
Else
```

```
    mitja = (Int(e) + 1) / (10 ^ q)
```

```
End If
```

```
If mitja = 0 Then
```

```
    txtResultat.Text = "ERROR"
```

```
Else
```

```
    er = (ea / mitja) * 100
```

```
End If
```

```
Private Sub cmdEsborra_Click()
```

```
    txtResultat = ""
```

```
    Label1(0) = ""
```

```
    Label1(1) = ""
```

```
    Label1(2) = ""
```

```
    Label1(3) = ""
```

```
    Label1(4) = ""
```

```
    Label1(5) = ""
```

```
    Label1(6) = ""
```

```
    Label1(7) = ""
```

```
    Label1(8) = ""
```

```
    Label1(9) = ""
```

```
    Label1(10) = ""
```

```
    Label2(0) = ""
```

```
    Label2(1) = ""
```

```
    Label2(2) = ""
```

```
    Label2(3) = ""
```

```
    Label2(4) = ""
```

```
    Label2(5) = ""
```

```
    Label2(6) = ""
```

```
    Label2(7) = ""
```

```
    Label2(8) = ""
```

```
    Label2(9) = ""
```

```
    Label2(10) = ""
```

```
End Sub
```

```
Private Sub cmdTancar_Click()
```

```
    End
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
frmIntroduccio.Show (1)
```

```
If i = 2 Then
```

```
    Line1.X1 = 960
```

```
    Line1.X2 = 960
```

```
    Line1.Y1 = 480
```

```
    Line1.Y2 = 2160
```

```
End If
```

```
If i = 3 Then
```

```
    Line1.X1 = 960
```

```
    Line1.X2 = 960
```

```
    Line1.Y1 = 480
```

```
    Line1.Y2 = 2760
```

```
End If
```

```
If i = 4 Then
```

```
    Line1.X1 = 960
```

```
    Line1.X2 = 960
```

```
    Line1.Y1 = 480
```

```
    Line1.Y2 = 3360
```

```
End If
```

```
If i = 5 Then
```

```
    Line1.X1 = 960
```

```
    Line1.X2 = 960
```

```
    Line1.Y1 = 480
```

```
    Line1.Y2 = 3960
```

```
End If
```

```
If i = 6 Then
```

```
    Line1.X1 = 960
```

```
    Line1.X2 = 960
```

```
    Line1.Y1 = 480
```

```
    Line1.Y2 = 4560
```

```
End If
If i = 7 Then
    Line1.X1 = 960
    Line1.X2 = 960
    Line1.Y1 = 480
    Line1.Y2 = 5160
End If
If i = 8 Then
    Line1.X1 = 960
    Line1.X2 = 960
    Line1.Y1 = 480
    Line1.Y2 = 5760
End If
If i = 9 Then
    Line1.X1 = 960
    Line1.X2 = 960
    Line1.Y1 = 480
    Line1.Y2 = 6360
End If
If i = 10 Then
    Line1.X1 = 960
    Line1.X2 = 960
    Line1.Y1 = 480
    Line1.Y2 = 6960
End If
If i = 11 Then
    Line1.X1 = 960
    Line1.X2 = 960
    Line1.Y1 = 480
    Line1.Y2 = 7560
End If
```

```
If i = 2 Then
    Line2.X1 = 2520
    Line2.X2 = 2520
    Line2.Y1 = 480
    Line2.Y2 = 2160
End If
If i = 3 Then
    Line2.X1 = 2520
    Line2.X2 = 2520
    Line2.Y1 = 480
    Line2.Y2 = 2760
End If
If i = 4 Then
    Line2.X1 = 2520
    Line2.X2 = 2520
    Line2.Y1 = 480
    Line2.Y2 = 3360
End If
If i = 5 Then
    Line2.X1 = 2520
    Line2.X2 = 2520
    Line2.Y1 = 480
    Line2.Y2 = 3960
End If
If i = 6 Then
    Line2.X1 = 2520
    Line2.X2 = 2520
    Line2.Y1 = 480
    Line2.Y2 = 4560
End If
If i = 7 Then
```

```
Line2.X1 = 2520  
Line2.X2 = 2520  
Line2.Y1 = 480  
Line2.Y2 = 5160
```

End If

```
If i = 8 Then
```

```
Line2.X1 = 2520  
Line2.X2 = 2520  
Line2.Y1 = 480  
Line2.Y2 = 5760
```

End If

```
If i = 9 Then
```

```
Line2.X1 = 2520  
Line2.X2 = 2520  
Line2.Y1 = 480  
Line2.Y2 = 6360
```

End If

```
If i = 10 Then
```

```
Line2.X1 = 2520  
Line2.X2 = 2520  
Line2.Y1 = 480  
Line2.Y2 = 6960
```

End If

```
If i = 11 Then
```

```
Line2.X1 = 2520  
Line2.X2 = 2520  
Line2.Y1 = 480  
Line2.Y2 = 7560
```

End If

```
If i = 2 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080  
Line3.Y1 = 480  
Line3.Y2 = 2160
```

End If

```
If i = 3 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080  
Line3.Y1 = 480  
Line3.Y2 = 2760
```

End If

```
If i = 4 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080  
Line3.Y1 = 480  
Line3.Y2 = 3360
```

End If

```
If i = 5 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080  
Line3.Y1 = 480  
Line3.Y2 = 3960
```

End If

```
If i = 6 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080  
Line3.Y1 = 480  
Line3.Y2 = 4560
```

End If

```
If i = 7 Then
```

```
Line3.X1 = 4080  
Line3.X2 = 4080
```

```
        Line3.Y1 = 480
        Line3.Y2 = 5160
End If
If i = 8 Then
    Line3.X1 = 4080
    Line3.X2 = 4080
    Line3.Y1 = 480
    Line3.Y2 = 5760
End If
If i = 9 Then
    Line3.X1 = 4080
    Line3.X2 = 4080
    Line3.Y1 = 480
    Line3.Y2 = 6360
End If
If i = 10 Then
    Line3.X1 = 4080
    Line3.X2 = 4080
    Line3.Y1 = 480
    Line3.Y2 = 6960
End If
If i = 11 Then
    Line3.X1 = 4080
    Line3.X2 = 4080
    Line3.Y1 = 480
    Line3.Y2 = 7560
End If

If i = 2 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 2160
End If
If i = 3 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 2760
End If
If i = 4 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 3360
End If
If i = 5 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 3960
End If
If i = 6 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 4560
End If
If i = 7 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 5160
```

```
End If
If i = 8 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 5760
End If
If i = 9 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 6360
End If
If i = 10 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 6960
End If
If i = 11 Then
    Line4.X1 = 5640
    Line4.X2 = 5640
    Line4.Y1 = 480
    Line4.Y2 = 7560
End If
```

```
If i = 2 Then
    Line8.Visible = False
    Line9.Visible = False
    Line10.Visible = False
    Line11.Visible = False
    Line12.Visible = False
    Line13.Visible = False
    Line14.Visible = False
    Line15.Visible = False
    Line16.Visible = False
End If
```

```
If i = 3 Then
    Line8.Visible = True
    Line9.Visible = False
    Line10.Visible = False
    Line11.Visible = False
    Line12.Visible = False
    Line13.Visible = False
    Line14.Visible = False
    Line15.Visible = False
    Line16.Visible = False
End If
```

```
If i = 4 Then
    Line8.Visible = True
    Line9.Visible = True
    Line10.Visible = False
    Line11.Visible = False
    Line12.Visible = False
    Line13.Visible = False
    Line14.Visible = False
    Line15.Visible = False
    Line16.Visible = False
```

End If

If i = 5 Then

```
Line8.Visible = True
Line9.Visible = True
Line10.Visible = True
Line11.Visible = False
Line12.Visible = False
Line13.Visible = False
Line14.Visible = False
Line15.Visible = False
Line16.Visible = False
```

End If

If i = 6 Then

```
Line8.Visible = True
Line9.Visible = True
Line10.Visible = True
Line11.Visible = True
Line12.Visible = False
Line13.Visible = False
Line14.Visible = False
Line15.Visible = False
Line16.Visible = False
```

End If

If i = 7 Then

```
Line8.Visible = True
Line9.Visible = True
Line10.Visible = True
Line11.Visible = True
Line12.Visible = True
Line13.Visible = False
Line14.Visible = False
Line15.Visible = False
Line16.Visible = False
```

End If

If i = 8 Then

```
Line8.Visible = True
Line9.Visible = True
Line10.Visible = True
Line11.Visible = True
Line12.Visible = True
Line13.Visible = True
Line14.Visible = False
Line15.Visible = False
Line16.Visible = False
```

End If

If i = 9 Then

```
Line8.Visible = True
Line9.Visible = True
Line10.Visible = True
Line11.Visible = True
Line12.Visible = True
Line13.Visible = True
Line14.Visible = True
Line15.Visible = False
Line16.Visible = False
```

End If

```
If i = 10 Then
    Line8.Visible = True
    Line9.Visible = True
    Line10.Visible = True
    Line11.Visible = True
    Line12.Visible = True
    Line13.Visible = True
    Line14.Visible = True
    Line15.Visible = True
    Line16.Visible = False
```

End If

```
If i = 11 Then
    Line8.Visible = True
    Line9.Visible = True
    Line10.Visible = True
    Line11.Visible = True
    Line12.Visible = True
    Line13.Visible = True
    Line14.Visible = True
    Line15.Visible = True
    Line16.Visible = True
```

End If

```
If i = 2 Then
    Text1(0).Visible = True
    Text1(1).Visible = True
    Text1(2).Visible = False
    Text1(3).Visible = False
    Text1(4).Visible = False
    Text1(5).Visible = False
    Text1(6).Visible = False
    Text1(7).Visible = False
    Text1(8).Visible = False
    Text1(9).Visible = False
    Text1(10).Visible = False
```

End If

```
If i = 3 Then
    Text1(0).Visible = True
    Text1(1).Visible = True
    Text1(2).Visible = True
    Text1(3).Visible = False
    Text1(4).Visible = False
    Text1(5).Visible = False
    Text1(6).Visible = False
    Text1(7).Visible = False
    Text1(8).Visible = False
    Text1(9).Visible = False
    Text1(10).Visible = False
```

End If

```
If i = 4 Then
```

```
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = False
Text1(5).Visible = False
Text1(6).Visible = False
Text1(7).Visible = False
Text1(8).Visible = False
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

If i = 5 Then

```
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = False
Text1(6).Visible = False
Text1(7).Visible = False
Text1(8).Visible = False
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

If i = 6 Then

```
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = False
Text1(7).Visible = False
Text1(8).Visible = False
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

If i = 7 Then

```
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = True
Text1(7).Visible = False
Text1(8).Visible = False
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

If i = 8 Then

```
Text1(0).Visible = True
Text1(1).Visible = True
```

```
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = True
Text1(7).Visible = True
Text1(8).Visible = False
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

```
If i = 9 Then
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = True
Text1(7).Visible = True
Text1(8).Visible = True
Text1(9).Visible = False
Text1(10).Visible = False
```

End If

```
If i = 10 Then
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = True
Text1(7).Visible = True
Text1(8).Visible = True
Text1(9).Visible = True
Text1(10).Visible = False
```

End If

```
If i = 11 Then
Text1(0).Visible = True
Text1(1).Visible = True
Text1(2).Visible = True
Text1(3).Visible = True
Text1(4).Visible = True
Text1(5).Visible = True
Text1(6).Visible = True
Text1(7).Visible = True
Text1(8).Visible = True
Text1(9).Visible = True
Text1(10).Visible = True
```

End If

End Sub

```
Sub arrodoneix_a_una_xifra(w As Double)
```

```
    Dim a As Double
    Dim a1 As Double
    Dim a2 As Double
```

```
    If w >= 1 Then
```

```
        a = w - Int(w)
        a = a * 10
        If a < 5 Then
            a3 = Int(w)
        Else
            a3 = Int(w) + 1
        End If
```

```
    Else
```

```
        a = w - Int(w)
        u = 0
```

```
        If a <> 0 Then
```

```
            Do While Int(10 * a) = 0
                a = 10 * a
                u = u + 1
            Loop
```

```
            a = 10 * a
            a1 = Int(a)
            a2 = Int(10 * (a - Int(a)))
```

```
            If a2 < 5 Then
```

```
                a3 = Int(w) + (a1 / 10 ^ (u + 1))
```

```
            Else
```

```
                a3 = Int(w) + ((a1 + 1) / 10 ^ (u + 1))
```

```
            End If
```

```
        Else
```

```
            a3 = w
```

```
        End If
```

```
    End If
```

```
End Sub
```

```
Sub arrodoneix_a_dues_xifra(w As Double)
```

```
    Dim a As Double
    Dim a1 As Double
    Dim a2 As Double
```

```
    Dim u As Integer
```

```
    If w >= 10 Then
```

```
        a = w - Int(w)
```

```
        a = 10 * a
```

```
        If a < 5 Then
```

```
        a3 = Int(w)
    Else
        a3 = Int(w) + 1
    End If

End If

If w < 10 And w >= 1 Then
    a = w - Int(w)
    a = 10 * a
    a1 = Int(a)
    a = a - Int(a)
    a = 10 * a
    If a < 5 Then
        a3 = Int(w) + a1 / 10
    Else
        a3 = Int(w) + (a1 + 1) / 10
    End If
End If

If w < 1 Then

a = w - Int(w)
u = 0
If a <> 0 Then
    Do While Int(10 * a) = 0
        a = 10 * a
        u = u + 1
    Loop

    a = 100 * a
    a1 = Int(a)
    a2 = Int(10 * (a - Int(a)))

    If a2 < 5 Then
        a3 = Int(w) + (a1 / 10 ^ (u + 2))

    Else
        a3 = Int(w) + ((a1 + 1) / 10 ^ (u + 2))

    End If

Else
    a3 = w
End If

End If

End Sub

Private Sub opErrorAbsolut_Click()

If ea >= 1 Then
    txtResultat.Text = Str$(ea)
Else

txtResultat.Text = "0" + Str$(ea)
```

```
End If
lblResultat.Caption = "Error absolut"
End Sub

Private Sub opErrorAccidental_Click()
    If eac >= 1 Then
        txtResultat.Text = Str$(eac)
    Else
        txtResultat.Text = "0" + Str$(eac)
    End If
    lblResultat.Caption = "Error accidental"
End Sub

Private Sub opErrorRelatiu_Click()

    If mitja = 0 Then
        txtResultat.Text = "ERROR"
    Else

        If er < 0 Then
            txtResultat.Text = Format(-er, "0.00") + " %"
        Else
            txtResultat.Text = Format(er, "0.00") + " %"
        End If
    End If

    lblResultat.Caption = "Error relatiu"
End Sub

Private Sub opErrorSistematic_Click()

    If num2 = 0 Then
        txtResultat.Text = Str$(1 / 10 ^ num2)
    Else
        txtResultat.Text = "0" + Str$(1 / 10 ^ num2)
    End If
    lblResultat.Caption = "Error sistematic"
End Sub

Private Sub opMitjanaQuadrat_Click()
    If sigma_quadrat >= 1 Then
        txtResultat.Text = Str$(sigma_quadrat)
    Else
        txtResultat.Text = "0" + Str$(sigma_quadrat)
    End If
    lblResultat.Caption = "Sigma quadrat"
End Sub

Private Sub opResultat_Click()
```

```
If ea >= 1 Then
    txtResultat.Text = Format(mitja, g2) + " +/- " + Str$(ea)
Else
    txtResultat.Text = Format(mitja, g2) + " +/- " + "0" + Str$(ea)
End If
    lblResultat.Caption = "Resultat final"
End Sub

Private Sub opXMitjana_Click()

    If m(i - 2) >= 1 Then
        txtResultat.Text = Str$(m(i - 2))
    Else
        If m(i - 2) < 1 And m(i - 2) > 0 Then
            txtResultat.Text = "0" + Str$(m(i - 2))
        Else
            If m(i - 2) = 0 Then
                txtResultat.Text = Str$(0)
            Else
                If m(i - 2) < 0 And m(i - 2) > -1 Then
                    txtResultat.Text = "-" + "0" + Str$(-m(i - 2))
                Else
                    If m(i - 2) <= 1 Then
                        txtResultat.Text = Str$(m(i - 2))
                    End If
                End If
            End If
        End If
    End If
End If

    lblResultat.Caption = "Mitjana"

End Sub
```

VERSION 5.00

Begin VB.Form frmPractica

```
BackColor      = &H00E0E0E0&
Caption        = "errors"
ClientHeight   = 8325
ClientLeft     = 105
ClientTop      = 390
ClientWidth    = 9330
ControlBox     = 0 'False
LinkTopic      = "Form1"
MaxButton      = 0 'False
ScaleHeight    = 8325
ScaleWidth     = 9330
```

Begin VB.CommandButton cmdTancar

```
BackColor      = &H00808080&
Caption        = "&Tancar"
```

BeginProperty Font

```
Name          = "Palatino Linotype"
Size          = 14.25
Charset       = 0
Weight        = 400
Underline     = 0 'False
Italic        = 0 'False
Strikethrough = 0 'False
```

EndProperty

```
Height        = 495
Left          = 5760
Style         = 1 'Graphical
TabIndex      = 52
Top           = 7680
Width         = 1695
```

End

Begin VB.TextBox txtResultat

```
BackColor      = &H00C0C0C0&
Height         = 495
Left           = 7680
TabIndex       = 50
Top            = 7080
Width          = 1335
```

End

Begin VB.CommandButton cmdEsborra

```
BackColor      = &H00808080&
Caption        = "&Esborrar"
```

BeginProperty Font

```
Name          = "Palatino Linotype"
Size          = 14.25
Charset       = 0
Weight        = 400
Underline     = 0 'False
Italic        = 0 'False
Strikethrough = 0 'False
```

EndProperty

```
Height        = 615
Left          = 6600
Style         = 1 'Graphical
TabIndex      = 49
Top           = 6240
Width         = 1695
```

End

Begin VB.CommandButton cmdCalcula

```
BackColor      = &H00808080&
Caption        = "&Calcular"
```

BeginProperty Font

```
Name          = "Palatino Linotype"
Size          = 14.25
```

```
        Charset          = 0
        Weight           = 400
        Underline        = 0 'False
        Italic           = 0 'False
        Strikethrough    = 0 'False
    EndProperty
    Height               = 615
    Left                 = 6720
    Style                = 1 'Graphical
    TabIndex             = 48
    Top                  = 360
    Width                = 1695
End
Begin VB.Frame frmEscull
    BackColor           = &H00E0E0E0&
    Caption              = "Escull una opció"
    BeginProperty Font
        Name              = "Palatino Linotype"
        Size              = 12
        Charset           = 0
        Weight            = 400
        Underline         = 0 'False
        Italic            = 0 'False
        Strikethrough     = 0 'False
    EndProperty
    Height              = 4815
    Left                = 6120
    TabIndex            = 37
    Top                  = 1320
    Width                = 2895
    Begin VB.OptionButton opResultat
        BackColor         = &H00E0E0E0&
        Caption           = "Resultat final"
        BeginProperty Font
            Name           = "Palatino Linotype"
            Size           = 12
            Charset        = 0
            Weight         = 400
            Underline      = 0 'False
            Italic         = 0 'False
            Strikethrough  = 0 'False
        EndProperty
        Height            = 375
        Left              = 240
        TabIndex          = 47
        Top               = 4200
        Width             = 1815
    End
    Begin VB.OptionButton opErrorAccidental
        BackColor         = &H00E0E0E0&
        Caption           = "Error accidental"
        BeginProperty Font
            Name           = "Palatino Linotype"
            Size           = 12
            Charset        = 0
            Weight         = 400
            Underline      = 0 'False
            Italic         = 0 'False
            Strikethrough  = 0 'False
        EndProperty
        Height            = 375
        Left              = 240
        TabIndex          = 45
        Top               = 1800
        Width             = 2055
```

```
End
Begin VB.OptionButton opErrorSistematic
  BackColor      = &H00E0E0E0&
  Caption        = "Error sistemàtic"
  BeginProperty Font
    Name          = "Palatino Linotype"
    Size         = 12
    Charset      = 0
    Weight       = 400
    Underline    = 0 'False
    Italic       = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height        = 375
  Left         = 240
  TabIndex     = 44
  Top         = 2400
  Width       = 2055
End
Begin VB.OptionButton opErrorAbsolut
  BackColor      = &H00E0E0E0&
  Caption        = "Error absolut"
  BeginProperty Font
    Name          = "Palatino Linotype"
    Size         = 12
    Charset      = 0
    Weight       = 400
    Underline    = 0 'False
    Italic       = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height        = 375
  Left         = 240
  TabIndex     = 43
  Top         = 3000
  Width       = 1815
End
Begin VB.OptionButton opErrorRelatiu
  BackColor      = &H00E0E0E0&
  Caption        = "Error relatiu"
  BeginProperty Font
    Name          = "Palatino Linotype"
    Size         = 12
    Charset      = 0
    Weight       = 400
    Underline    = 0 'False
    Italic       = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height        = 375
  Left         = 240
  TabIndex     = 42
  Top         = 3600
  Width       = 1935
End
Begin VB.OptionButton opMitjanaQuadrat
  BackColor      = &H00E0E0E0&
  Caption        = "s"
  BeginProperty Font
    Name          = "Symbol"
    Size         = 18
    Charset      = 2
    Weight       = 400
    Underline    = 0 'False
    Italic       = 0 'False
```

```
        Strikethrough = 0 'False
    EndProperty
    Height = 375
    Left = 240
    TabIndex = 39
    Top = 1200
    Width = 615
End
Begin VB.OptionButton opXMitjana
    BackColor = &H00E0E0E0&
    Caption = "X Mitjana"
    BeginProperty Font
        Name = "Palatino Linotype"
        Size = 11.25
        Charset = 0
        Weight = 400
        Underline = 0 'False
        Italic = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height = 375
    Left = 240
    TabIndex = 38
    Top = 600
    Value = -1 'True
    Width = 1575
End
Begin VB.Label lblQuadratSigma
    BackColor = &H00E0E0E0&
    Caption = "2"
    Height = 255
    Left = 840
    TabIndex = 46
    Top = 1200
    Width = 255
End
End
Begin VB.TextBox Text1
    Height = 375
    Index = 10
    Left = 1080
    TabIndex = 14
    Top = 7080
    Width = 1335
End
Begin VB.TextBox Text1
    Height = 375
    Index = 9
    Left = 1080
    TabIndex = 13
    Top = 6480
    Width = 1335
End
Begin VB.TextBox Text1
    Height = 375
    Index = 8
    Left = 1080
    TabIndex = 12
    Top = 5880
    Width = 1335
End
Begin VB.TextBox Text1
    Height = 375
    Index = 7
    Left = 1080
```

```
    TabIndex      = 11
    Top           = 5280
    Width        = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 6
    Left        = 1080
    TabIndex    = 10
    Top         = 4680
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 5
    Left        = 1080
    TabIndex    = 9
    Top         = 4080
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 4
    Left        = 1080
    TabIndex    = 8
    Top         = 3480
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 3
    Left        = 1080
    TabIndex    = 7
    Top         = 2880
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 2
    Left        = 1080
    TabIndex    = 6
    Top         = 2280
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 1
    Left        = 1080
    TabIndex    = 5
    Top         = 1680
    Width      = 1335
End
Begin VB.TextBox Text1
    Height       = 375
    Index       = 0
    Left        = 1080
    TabIndex    = 4
    Top         = 1080
    Width      = 1335
End
Begin VB.Line Line3
    X1          = 4080
    X2          = 4080
    Y1          = 480
    Y2          = 7560
```

```
End
Begin VB.Line Line31
    X1      = 5640
    X2      = 5640
    Y1      = 9360
    Y2      = 8760
End
Begin VB.Line Line30
    X1      = 4080
    X2      = 4080
    Y1      = 9360
    Y2      = 8760
End
Begin VB.Line Line29
    X1      = 2520
    X2      = 2520
    Y1      = 9360
    Y2      = 8760
End
Begin VB.Line Line28
    X1      = 960
    X2      = 960
    Y1      = 8760
    Y2      = 9360
End
Begin VB.Label lblResultat
    BackColor = &H00E0E0E0&
    BeginProperty Font
        Name      = "Palatino Linotype"
        Size      = 12
        Charset   = 0
        Weight    = 400
        Underline = 0 'False
        Italic    = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height     = 495
    Left       = 5760
    TabIndex   = 51
    Top        = 7080
    Width      = 1815
End
Begin VB.Line Line27
    X1      = 4080
    X2      = 5640
    Y1      = 9360
    Y2      = 9360
End
Begin VB.Line Line26
    X1      = 960
    X2      = 2520
    Y1      = 9360
    Y2      = 9360
End
Begin VB.Label lblSigma
    Height     = 375
    Left       = 4200
    TabIndex   = 41
    Top        = 8880
    Width      = 1335
End
Begin VB.Label lblMitjana
    Height     = 375
    Left       = 1080
    TabIndex   = 40
```

```
    Top           = 8880
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 10
    Left          = 4200
    TabIndex      = 36
    Top           = 7080
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 9
    Left          = 4200
    TabIndex      = 35
    Top           = 6480
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 8
    Left          = 4200
    TabIndex      = 34
    Top           = 5880
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 7
    Left          = 4200
    TabIndex      = 33
    Top           = 5280
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 6
    Left          = 4200
    TabIndex      = 32
    Top           = 4680
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 5
    Left          = 4200
    TabIndex      = 31
    Top           = 4080
    Width         = 1335
End
Begin VB.Label Label2
    BackColor     = &H00E0E0E0&
    Height        = 375
    Index         = 4
    Left          = 4200
    TabIndex      = 30
    Top           = 3480
    Width         = 1335
```

```
End
Begin VB.Label Label2
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    3
    Left           =    4200
    TabIndex       =    29
    Top            =    2880
    Width          =    1335
End
Begin VB.Label Label2
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    2
    Left           =    4200
    TabIndex       =    28
    Top            =    2280
    Width          =    1335
End
Begin VB.Label Label2
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    1
    Left           =    4200
    TabIndex       =    27
    Top            =    1680
    Width          =    1335
End
Begin VB.Label Label2
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    0
    Left           =    4200
    TabIndex       =    26
    Top            =    1080
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    10
    Left           =    2640
    TabIndex       =    25
    Top            =    7080
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    9
    Left           =    2640
    TabIndex       =    24
    Top            =    6480
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    8
    Left           =    2640
    TabIndex       =    23
    Top            =    5880
    Width          =    1335
End
Begin VB.Label Label1
```

```
        BackColor      =    &H00E0E0E0&
        Height         =    375
        Index          =    7
        Left           =    2640
        TabIndex       =    22
        Top            =    5280
        Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    6
    Left           =    2640
    TabIndex       =    21
    Top            =    4680
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    5
    Left           =    2640
    TabIndex       =    20
    Top            =    4080
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    4
    Left           =    2640
    TabIndex       =    19
    Top            =    3480
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    3
    Left           =    2640
    TabIndex       =    18
    Top            =    2880
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    2
    Left           =    2640
    TabIndex       =    17
    Top            =    2280
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
    Index          =    1
    Left           =    2640
    TabIndex       =    16
    Top            =    1680
    Width          =    1335
End
Begin VB.Label Label1
    BackColor      =    &H00E0E0E0&
    Height         =    375
```

```
Index          = 0
Left           = 2640
TabIndex      = 15
Top           = 1080
Width         = 1335
End
Begin VB.Label lblQuadrat
    BackColor   = &H00E0E0E0&
    Caption     = "2"
    Height      = 255
    Left        = 5280
    TabIndex    = 3
    Top         = 480
    Width       = 135
End
Begin VB.Line Line25
    X1          = 4920
    X2          = 5040
    Y1          = 600
    Y2          = 600
End
Begin VB.Line Line24
    X1          = 5160
    X2          = 5160
    Y1          = 840
    Y2          = 600
End
Begin VB.Line Line23
    X1          = 4560
    X2          = 4560
    Y1          = 600
    Y2          = 840
End
Begin VB.Label lblMitjanaQuadrat
    BackColor   = &H00E0E0E0&
    Caption     = "          X - X"
    Height      = 255
    Left        = 4200
    TabIndex    = 2
    Top         = 600
    Width       = 1335
End
Begin VB.Line Line22
    X1          = 3360
    X2          = 3480
    Y1          = 600
    Y2          = 600
End
Begin VB.Line Line21
    X1          = 3600
    X2          = 3600
    Y1          = 600
    Y2          = 840
End
Begin VB.Line Line20
    X1          = 3000
    X2          = 3000
    Y1          = 600
    Y2          = 840
End
Begin VB.Label lblXMitjana
    BackColor   = &H00E0E0E0&
    Caption     = "          X - X"
    Height      = 255
    Left        = 2640
```

```
    TabIndex      = 1
    Top           = 600
    Width         = 1335
End
Begin VB.Label lblX
    BackColor     = &H00E0E0E0&
    Caption       = "                X"
    Height        = 255
    Left          = 1080
    TabIndex      = 0
    Top           = 600
    Width         = 1335
End
Begin VB.Line Line19
    X1            = 960
    X2            = 5640
    Y1            = 480
    Y2            = 480
End
Begin VB.Line Line18
    X1            = 960
    X2            = 5640
    Y1            = 8760
    Y2            = 8760
End
Begin VB.Line Line16
    X1            = 960
    X2            = 5640
    Y1            = 7560
    Y2            = 7560
End
Begin VB.Line Line15
    X1            = 960
    X2            = 5640
    Y1            = 6960
    Y2            = 6960
End
Begin VB.Line Line14
    X1            = 960
    X2            = 5640
    Y1            = 6360
    Y2            = 6360
End
Begin VB.Line Line13
    X1            = 960
    X2            = 5640
    Y1            = 5760
    Y2            = 5760
End
Begin VB.Line Line12
    X1            = 960
    X2            = 5640
    Y1            = 5160
    Y2            = 5160
End
Begin VB.Line Line11
    X1            = 960
    X2            = 5640
    Y1            = 4560
    Y2            = 4560
End
Begin VB.Line Line10
    X1            = 960
    X2            = 5640
    Y1            = 3960
```

```
      Y2                =    3960
End
Begin VB.Line Line9
      X1                =    960
      X2                =    5640
      Y1                =    3360
      Y2                =    3360
End
Begin VB.Line Line8
      X1                =    960
      X2                =    5640
      Y1                =    2760
      Y2                =    2760
End
Begin VB.Line Line7
      X1                =    960
      X2                =    5640
      Y1                =    2160
      Y2                =    2160
End
Begin VB.Line Line6
      X1                =    960
      X2                =    5640
      Y1                =    1560
      Y2                =    1560
End
Begin VB.Line Line5
      X1                =    960
      X2                =    5640
      Y1                =    960
      Y2                =    960
End
Begin VB.Line Line4
      X1                =    5640
      X2                =    5640
      Y1                =    480
      Y2                =    7560
End
Begin VB.Line Line2
      X1                =    2520
      X2                =    2520
      Y1                =    480
      Y2                =    7560
End
Begin VB.Line Line1
      X1                =    960
      X2                =    960
      Y1                =    480
      Y2                =    7560
End
End
```

Module1 - 1

Option Explicit

Public i As Single