

Public Class Form1

' demonstrate various Draw and Fill commands

Private Sub Form1_Paint(ByVal sender As Object, ByVal e As System.Windows.Forms.PaintEventArgs) Handles Me.Paint

Me.BackColor = Color.FromArgb(45, 152, 99)

' 45 parts red, 152 parts green, 99 parts blue

' where these values can be numbers between 0 and 255

' method 1 for DrawLine for horizontal line (no width of pen stroke)

e.Graphics.DrawLine(Pens.Red, 10, 20, 50, 20)

' one endpoint is (10, 20)

' other endpoint is (50, 20)

' method 2 for DrawLine for vertical line (setting the width of the pen stroke to 2)

e.Graphics.DrawLine(New Pen(Color.Green, 5), 50, 20, 50, 60)

' one endpoint is (50, 20)

' other endpoint is (50, 60)

' method 3 for DrawLine for diagonal line (no width of pen stroke)

e.Graphics.DrawLine(Pens.Blue, 10, 20, 50, 60)

' one endpoint is (10, 20)

' other endpoint is (50, 60)

' method 1 for DrawRectangle (no width of pen stroke)

e.Graphics.DrawRectangle(Pens.Black, 100, 20, 50, 30)

' top left corner is (100, 20)

' width of rectangle is 50

' height of rectangle is 30

' method 2 for DrawRectangle to draw a perfect square (setting the width of the pen stroke to 2)

e.Graphics.DrawRectangle(New Pen(Color.White, 2), 200, 20, 30, 30)

' top left corner is (200, 20)

' width of rectangle is 30

' height of rectangle is 30

' method 1 for DrawEllipse (no width of pen stroke)

e.Graphics.DrawEllipse(Pens.Brown, 10, 100, 40, 80)

' top left corner of bounding rectangle is (10, 100)

' width of bounding rectangle is 40

' height of bounding rectangle is 80

' method 2 for DrawEllipse to draw a perfect circle (setting the width of the pen stroke to 2)

e.Graphics.DrawEllipse(New Pen(Color.Orange, 2), 100, 100, 50, 50)

' top left corner of bounding rectangle is (100, 100)

' width of bounding rectangle is 50

' height of bounding rectangle is 50

' method 1 for FillRectangle to draw a filled in perfect square

e.Graphics.FillRectangle(Brushes.Orange, 200, 100, 30, 30)

' top left corner of 200, 100

' width of rectangle is 30

' height of rectangle is 30

' method 1 for FillEllipse to draw a filled in perfect circle

e.Graphics.FillEllipse(Brushes.Pink, 100, 200, 50, 50)

' top left corner of bounding rectangle is 100, 200

' width of bounding rectangle is 50

' height of bounding rectangle is 50

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'*****  
' method 1 for DrawString  
e.Graphics.DrawString("Visual Basic", Me.Font, Brushes.White, 20, 230)
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' ADVANCED DRAWING METHODS *****
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Dim fishBody As Point() = New Point() {New Point(190, 200), New Point(210, 180), New Point(250, 200), New Point(210, 220)}  
e.Graphics.FillClosedCurve(Brushes.Red, fishBody) ✓
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```
Dim fishTail As Point() = New Point() {New Point(250, 200), New Point(270, 180), New Point(270, 220)}  
e.Graphics.FillPolygon(Brushes.Red, fishTail) ✓
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Dim wave As Point() = New Point() {New Point(160, 250), New Point(190, 240), New Point(220, 250), New Point(250, 240), New Point(280, 250)}  
e.Graphics.DrawCurve(Pens.Blue, wave) ✓  
End Sub
```

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End Class
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