

```
' MouseClick demo

Public Class Form1

    Dim mPos1 As String = ""          ' entry in top row left column of tic tac toe board
    Dim mPos2 As String = ""          ' entry in top row middle column position of tic tac toe board

    ' update tic tac toe board with mouse click
    Private Sub Form1_MouseClick(sender As Object, e As System.Windows.Forms.MouseEventArgs) Handles Me.
        MouseClick

        If (e.Button = Windows.Forms.MouseButtons.Left) Then

            If (e.X > 0 And e.X < 100 And e.Y > 0 And e.Y < 100) Then          ' top left
                mPos1 = "X"
            ElseIf (e.X > 100 And e.X < 200 And e.Y > 0 And e.Y < 100) Then ' top middle
                mPos2 = "X"
            End If

            Me.Refresh()          ' repaint the screen
        End If

    End Sub

    ' draw tic tac toe board
    Private Sub Form1_Paint(sender As Object, e As System.Windows.Forms.PaintEventArgs) Handles Me.Paint
        e.Graphics.DrawLine(Pens.Black, 0, 100, 300, 100)
        e.Graphics.DrawLine(Pens.Black, 0, 200, 300, 200)
        e.Graphics.DrawLine(Pens.Black, 100, 0, 100, 300)
        e.Graphics.DrawLine(Pens.Black, 200, 0, 200, 300)

        If (mPos1 = "X") Then
            e.Graphics.DrawLine(Pens.Black, 0, 0, 100, 100)
            e.Graphics.DrawLine(Pens.Black, 100, 0, 0, 100)
        End If

        If (mPos2 = "X") Then
            e.Graphics.DrawLine(Pens.Black, 100, 0, 200, 100)
            e.Graphics.DrawLine(Pens.Black, 200, 0, 100, 100)
        End If

    End Sub

End Sub

End Class
```