

Visual Basic
Tracing Functions Worksheet #2

Name -
Period -

Public Class Form1

Private Sub Form1_Load(. . .)
 TextBox1.Text = SumOdds(7)

 TextBox2.Text = IsMultiple3(30)

 TextBox3.Text = IsEven(12)

 TextBox4.Text = JoinWithSpace("Bill", "Gates")

 TextBox5.Text = CompareTo("alpha", "beta")

 TextBox6.Text = ContainsSpace("Johnson")

 TextBox7.Text = GetInitials("Billy Ray Cyrus")

End Sub

Private Function SumOdds(ByVal intNum As Integer) As Integer

 Dim J As Integer = 1

 Dim intSum As Integer = 0

 For J = 1 To intNum Step 2

 intSum += J

 Next

 Return intSum

End Function

Private Function IsMultiple3(ByVal intNum As Integer) As Boolean

 If (intNum Mod 3 = 0) Then

 Return True

 Else

 Return False

End Function

Private Function IsEven(ByVal intNum As Integer) As Boolean

 If (intNum Mod 2 = 0)

 Return True

 End If

 Return False

End Function

Private Function JoinWithSpace(ByVal strFirst As String, ByVal strLast As String) As String

 Return strFirst + " " + strLast

End Function

Private Function CompareTo(ByVal strWord1 As String, ByVal strWord2 As String) As Integer

 If (strWord1 > strWord2)

 Return 1

 ElseIf (strWord1 < strWord2) Then

 Return -1

 End If

 Return 0

End Function

Private Function ContainsSpace(ByVal strWord As String) As Boolean

 If (strWord.IndexOf(" ") <> -1)

 Return True

 End If

 Return False

End Function

Private Function GetInitials(ByVal strWhole As String) As String

 Dim strFirstNameInitial As String = strWhole.Substring(0, 1)

 Dim intPositionOfSpace As Integer = strWhole.IndexOf(" ")

 Dim strLastNameInitial As String = strWhole.Substring(intPositionOfSpace + 1, 1)

 Return strFirstNameInitial + strLastNameInitial

End Function

Answers Here:

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____