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Question: Create an application using visual basic that can be used to pr...

Create an application using visual basic that can be used to practice adding, subtracting, multiplying, and dividing numbers. The application should display a math problem on the screen and then allow the student to enter the answer and also verify that the answer is correct. The application should give the student as many chances as necessary to answer the problem correctly. The math problems should use random integers from 1 through 20, inclusive. The subtraction problems should never ask the student to subtract a larger number from a smaller one. The division problems should never ask the student to divide a smaller number by a larger number. Also, the answer to the division problems should always result in a whole number. The application should keep track of the number of correct and incorrect responses made by the student. The interface should include a button that allows the user to reset the counters for a different student.

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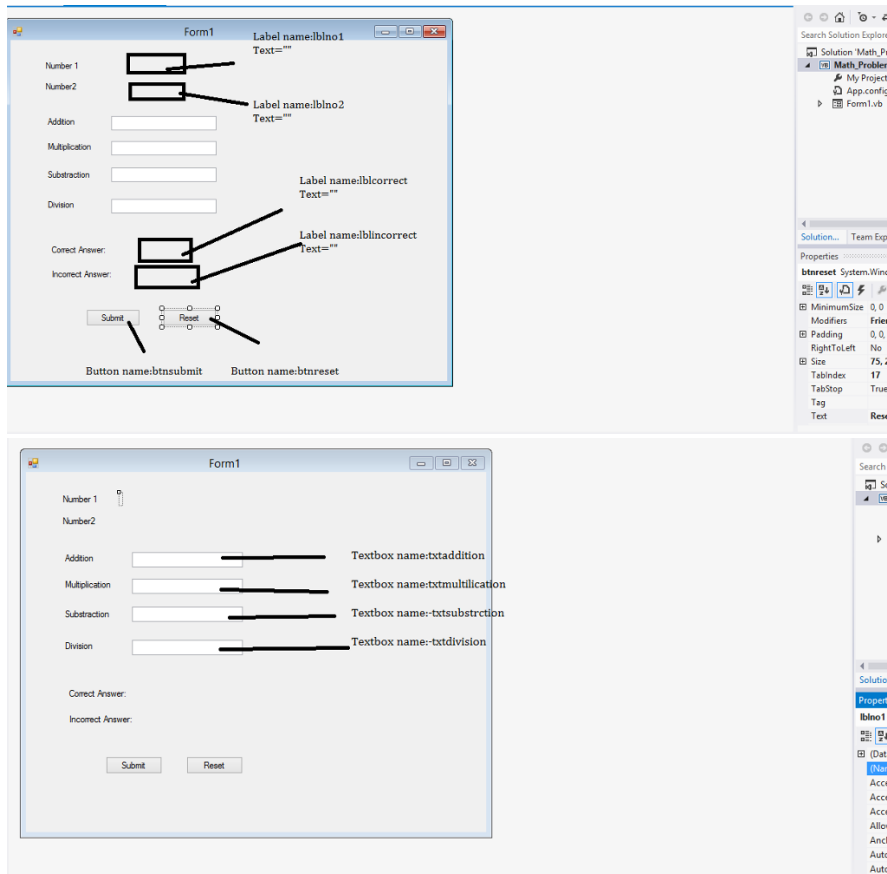
Expert Answer



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Design:



Coding:

```
Public Class Form1
'Initilize the variable at here
Dim num1 As Integer
Dim num2 As Integer
Dim add As Integer
Dim mul As Integer
Dim div As Integer
Dim sub1 As Integer
Dim correct As Integer = 0 'default zero
Dim incorrect As Integer = 0 'default zero
```

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```

num1 = Generator.Next(1, 20) 'store in num1
num2 = Generator.Next(1, 20) 'store in num2
lblno1.Text = num1.ToString 'dispaly output
lblno2.Text = num2.ToString 'dispaly output
add = num1 + num2 'calculate
sub1 = num1 - num2 'calculate
mul = num1 * num2 'calculate
div = num1 / num2 'calculate
lblcorrect.Text = correct.ToString 'dispaly output
lblincorrect.Text = incorrect.ToString 'dispaly output
End Sub

```

```

Private Sub btnsubmit_Click(sender As Object, e As EventArgs) Handles btnsubmit.Click
If (add = Val(txtaddition.Text)) Then 'validation of ans
correct += 1 'increment if correct
Else
incorrect = incorrect + 1 'increment if incorrect
End If
If (mul = Val(txtmultilication.Text)) Then 'validation of ans
correct += 1 'increment if correct
Else
incorrect = incorrect + 1 'increment if incorrect
End If
If (div = Val(txtdivision.Text)) Then 'validation of ans
correct += 1 'increment if correct
Else
incorrect = incorrect + 1 'increment if incorrect
End If
If (sub1 = Val(txtsubstrction.Text)) Then 'validation of ans
correct += 1 'increment if correct
Else
incorrect = incorrect + 1 'increment if incorrect
End If
lblcorrect.Text = correct.ToString 'dispaly output
lblincorrect.Text = incorrect.ToString 'dispaly output
Form1_Load(sender, e)
txtaddition.Text = ""
txtdivision.Text = ""
txtsubstrction.Text = ""
txtmultilication.Text = ""
End Sub

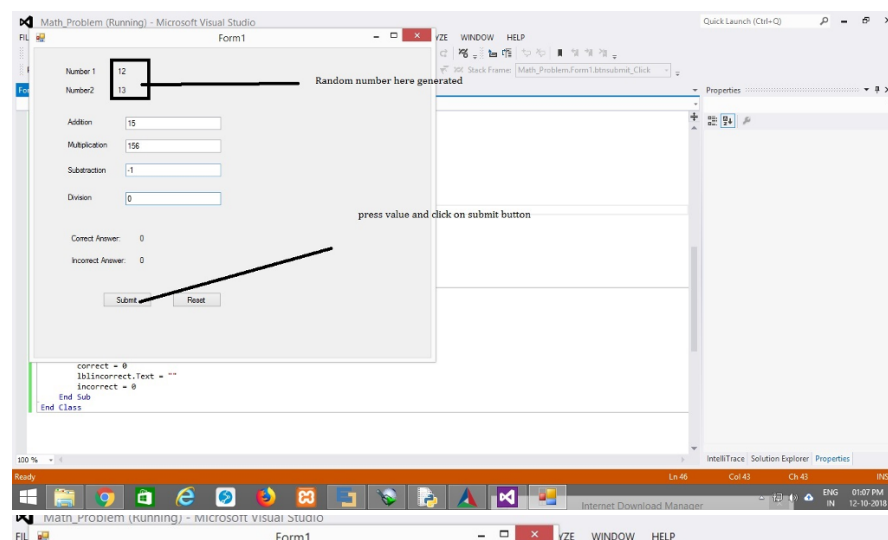
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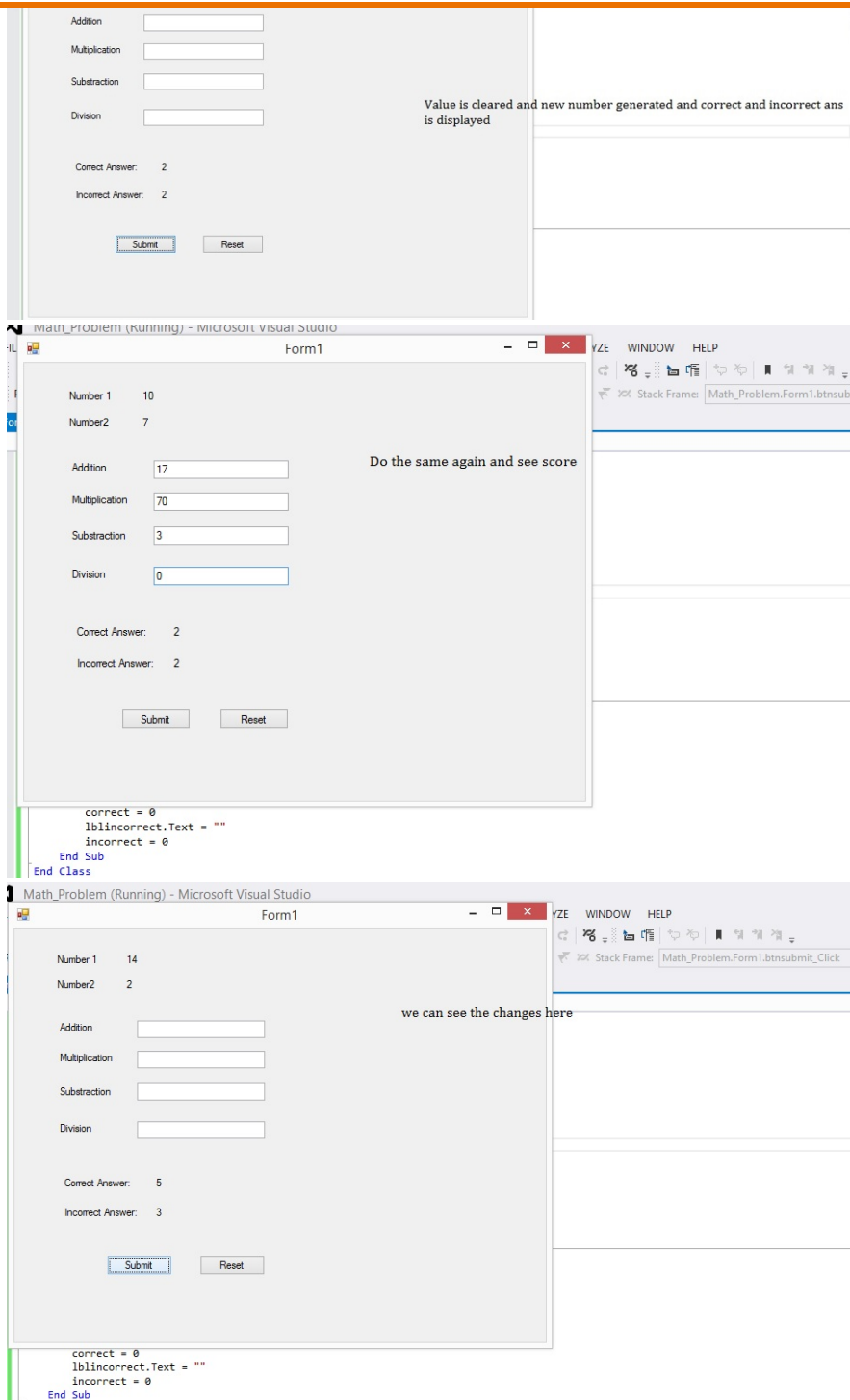
```

Private Sub btnreset_Click(sender As Object, e As EventArgs) Handles btnreset.Click
'clear all textboxes in variable here
txtaddition.Text = ""
txtdivision.Text = ""
txtmultilication.Text = ""
txtsubstrction.Text = ""
lblcorrect.Text = ""
correct = 0
lblincorrect.Text = ""
incorrect = 0
End Sub
End Class

```

Output:-





if you still have any doubt regarding this question please comment and if you like my code please appreciate me by thumbs up thank you.....

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Questions viewed by other students

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