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'Function: Test Addition and Multiplication for kids

Option Explicit

'Declaration necessary
Dim intNumber1, intNumber2, intLevel As Integer
Dim intOperator, Answer As Integer
Dim strOperator As String

'End Explicit

Private Sub Form_Load()

Call nextNum
Call sign
Call init
Call level

End Sub

Private Sub cmdNext_Click()

Call nextNum
Me.txtYourAns.Text = ""

End Sub

Private Sub cmdSign_Click()

Call sign

End Sub

Private Sub cmdAns_Click()

MsgBox Answer, vbInformation

End Sub

Sub nextNum()

Randomize
intNumber1 = Int(Rnd() * intLevel + 1)
intNumber2 = Int(Rnd() * intLevel + 1)
Call signcase
Me.Label1.Caption = " " & intNumber1 & strOperator & _
intNumber2 & "="

End Sub

Sub sign()

Randomize
intOperator = Int(Rnd() * 2 + 1)
Call signcase
Me.Label1.Caption = " " & intNumber1 & strOperator & _
intNumber2 & "="
Me.txtYourAns.Text = ""

End Sub

Sub signcase()

If intOperator = 1 Then

 strOperator = " + "

Else

 strOperator = " x "

End If

Select Case intOperator

Case 1:

 strOperator = " + "

 Answer = intNumber1 + intNumber2

Case 2:

 strOperator = " x "

 Answer = intNumber1 * intNumber2

End Select

End Sub

Sub init()

 Dim i As Integer

 For i = 0 To 9

 Me.cmdNumericKey(i).Caption = i

 Next i

End Sub

Private Sub cmdNumericKey_Click(Index As Integer)

 txtYourAns.Text = txtYourAns.Text & Index

End Sub

Private Sub cmdClear_Click()

 Me.txtYourAns.Text = ""

End Sub

Private Sub cmdCheck_Click()

 If Me.txtYourAns.Text = "" Then

 MsgBox "Please enter your answer!", vbInformation

 ElseIf Me.txtYourAns = Answer Then

 MsgBox "Correct !", vbInformation

 Else

 MsgBox "Incorrect!", vbInformation

 End If

End Sub

Private Sub cmdLevel_Click()

 Call level

End Sub

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Sub level()  
  Randomize  
  intLevel = Int(Rnd() * 3 + 1)  
  Select Case intLevel  
  Case 1:  
    intLevel = 10  
    Me.cmdLevel.Caption = "Level 1"  
  Case 2:  
    intLevel = 20  
    Me.cmdLevel.Caption = "Level 2"  
  Case 3:  
    intLevel = 30  
    Me.cmdLevel.Caption = "Level 3"  
  End Select  
End Sub
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Private Sub mnuFileExit_Click()  
  End  
End Sub
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