

# BIT2118-Assignment-1

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### SCT221-C003-0030/2023

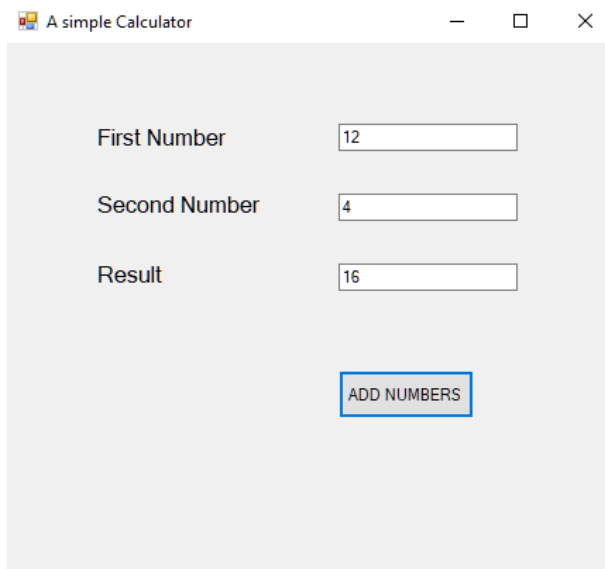
Applications Programming first Assignment

#### Activity 4.1 Labels, Textboxes and Command Buttons

##### Code

```
Public Class frmCalculator
    Private Sub btnAddNumbers_Click(sender As Object, e As EventArgs) Handles
btnAddNumbers.Click
        txtResult.Text = Val(txtNum1.Text) + Val(txtNum2.Text)
    End Sub
End Class
```

##### Screenshots



*Activity 4.1*

#### Activity 4.1.1 More Arithmetic Operations

##### Code

```
Public Class frmCalculate

    Private Sub btnAddNumbers_Click(sender As Object, e As EventArgs) Handles
btnAddNumbers.Click
        txtResult.Text = Val(txtNum1.Text) + Val(txtNum2.Text)
    End Sub
```

```

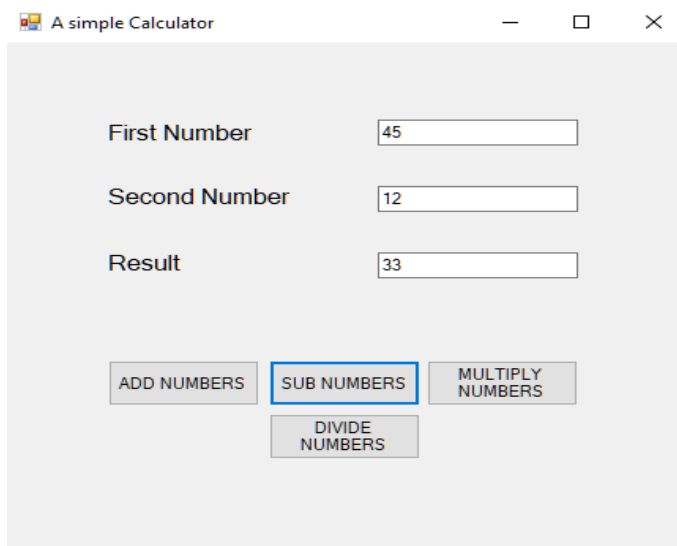
    Private Sub btnSubtract_Click(sender As Object, e As EventArgs) Handles
btnSubtract.Click
        txtResult.Text = Val(txtNum1.Text) - Val(txtNum2.Text)
    End Sub

    Private Sub btnMultiply_Click(sender As Object, e As EventArgs) Handles
btnMultiply.Click
        txtResult.Text = Val(txtNum1.Text) * Val(txtNum2.Text)
    End Sub

    Private Sub btnDivide_Click(sender As Object, e As EventArgs) Handles
btnDivide.Click
        txtResult.Text = Val(txtNum1.Text) / Val(txtNum2.Text)
    End Sub
End Class

```

### Subtraction



A simple Calculator

First Number: 45

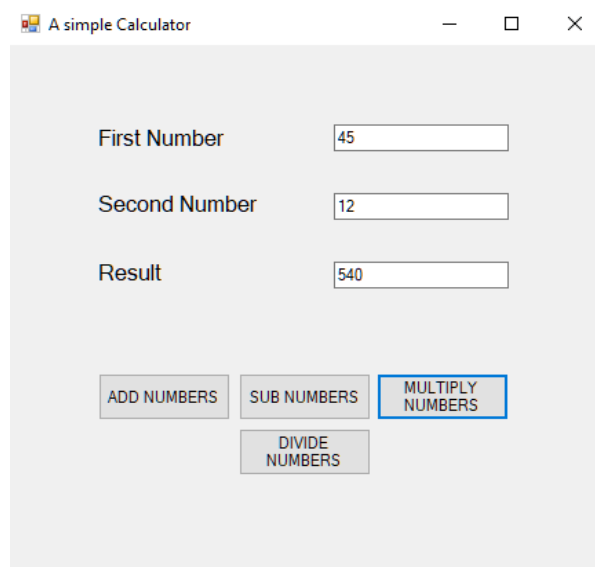
Second Number: 12

Result: 33

Buttons: ADD NUMBERS, SUB NUMBERS, MULTIPLY NUMBERS, DIVIDE NUMBERS

### Activity 4.1.1 - Subtraction

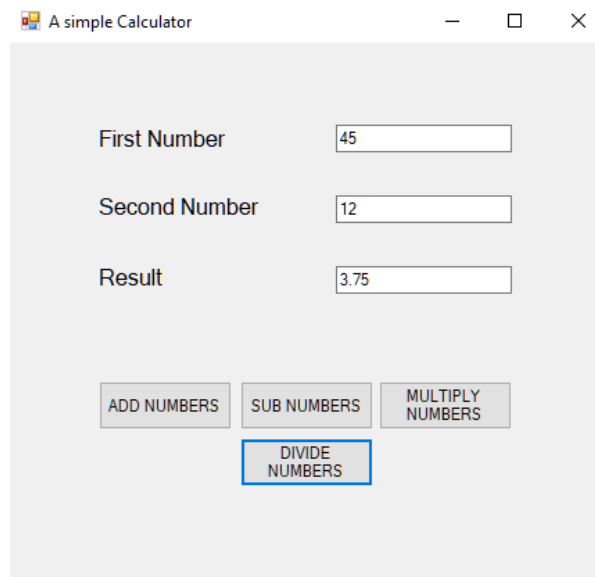
## Multiplication



A screenshot of a Windows application titled "A simple Calculator". The interface has a light gray background. It contains three text boxes: "First Number" with the value "45", "Second Number" with the value "12", and "Result" with the value "540". Below the text boxes are four buttons: "ADD NUMBERS", "SUB NUMBERS", "MULTIPLY NUMBERS" (which is highlighted with a blue border), and "DIVIDE NUMBERS".

### *Activity 4.1.1 - Multiplication*

## Division



A screenshot of the same "A simple Calculator" application. The "First Number" is "45" and the "Second Number" is "12". The "Result" text box now displays "3.75". The "DIVIDE NUMBERS" button is highlighted with a blue border, while the other buttons are gray.

### *Activity 4.1.1 - Division*

## Activity 4.2 CheckBoxes

### Code

```
Public Class frmCheckBoxes
    Private Sub ChkBold_CheckedChanged(sender As Object, e As EventArgs)
        Handles ChkBold.CheckedChanged
            If ChkBold.Checked Then
                TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Bold)
            Else
            
```

```

        TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Regular)
    End If
End Sub

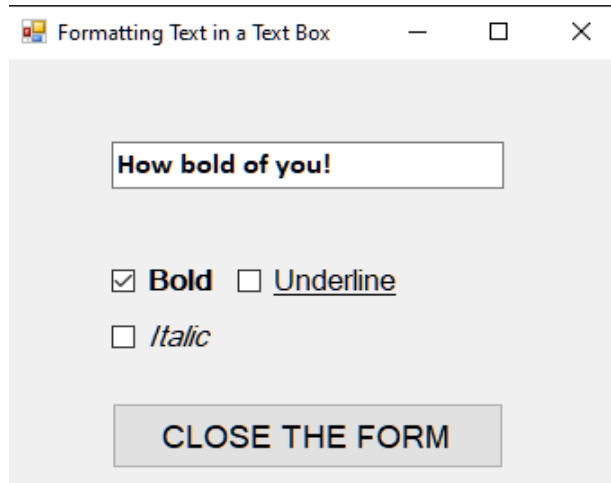
Private Sub ChkItalic_CheckedChanged(sender As Object, e As EventArgs)
Handles ChkItalic.CheckedChanged
    If ChkItalic.Checked Then
        TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Italic)
    Else
        TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Regular)
    End If
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    Application.Exit()
End Sub

Private Sub ChkUnderline_CheckedChanged(sender As Object, e As EventArgs)
Handles ChkUnderline.CheckedChanged
    If ChkUnderline.Checked Then
        TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Underline)
    Else
        TxtDisplay.Font = New Font(TxtDisplay.Font, FontStyle.Regular)
    End If
End Sub
End Class

```

## Bold



Formatting Text in a Text Box

How **bold** of you!

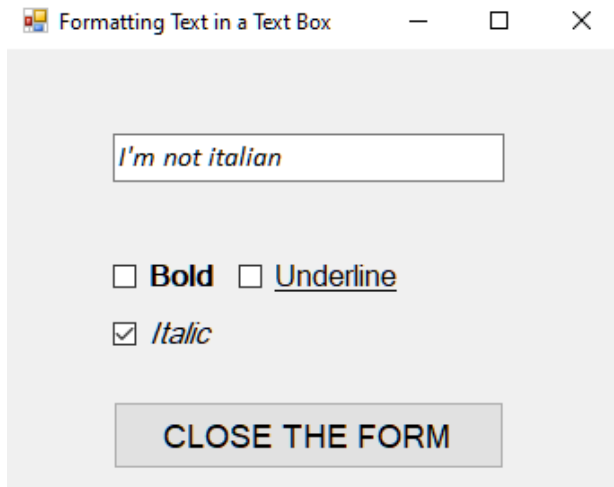
☒ **Bold** ☐ Underline

☐ *Italic*

CLOSE THE FORM

*Bold Formatting*

## Italic



Formatting Text in a Text Box

*I'm not italian*

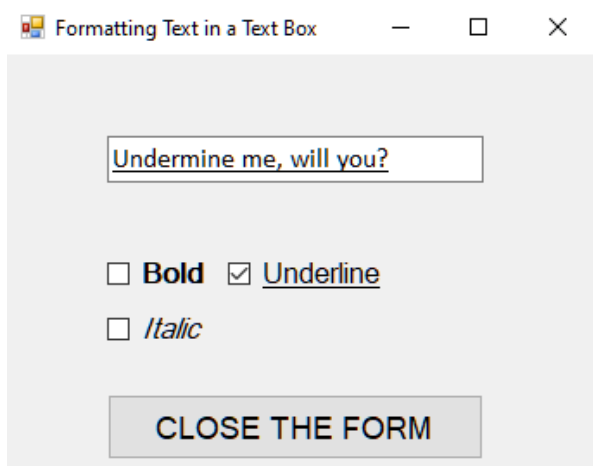
☐ **Bold** ☐ Underline

☒ *Italic*

CLOSE THE FORM

*Italicized*

## Underlined



Formatting Text in a Text Box

Undermine me, will you?

☐ **Bold** ☒ Underline

☐ *Italic*

CLOSE THE FORM

Underlined

## Activity 4.3 Options

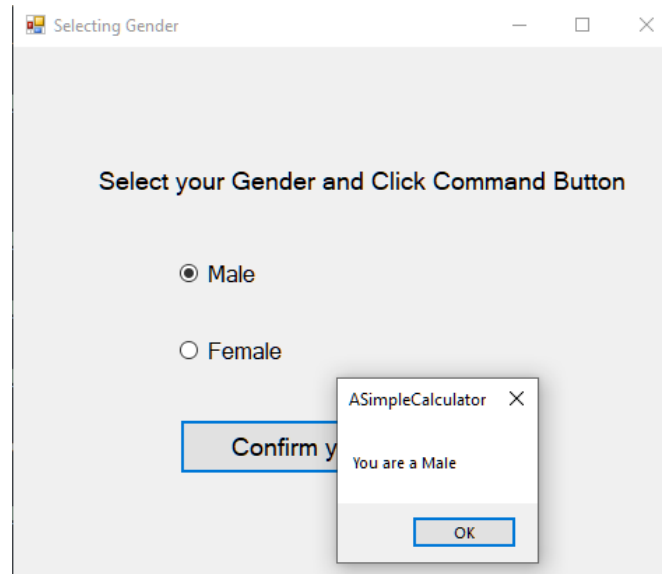
### Source Code

```
Public Class frmOptionButtons
    Private Sub frmOptionButtons_Load(sender As Object, e As EventArgs)
        Handles MyBase.Load
            optMale.Checked = False
            optFemale.Checked = False
    End Sub

    Private Sub cmdConfirm_Click(sender As Object, e As EventArgs) Handles
        cmdConfirm.Click
            If optMale.Checked = True Then
                MsgBox("You are a Male")
            End If
        End Sub
    End Class
```

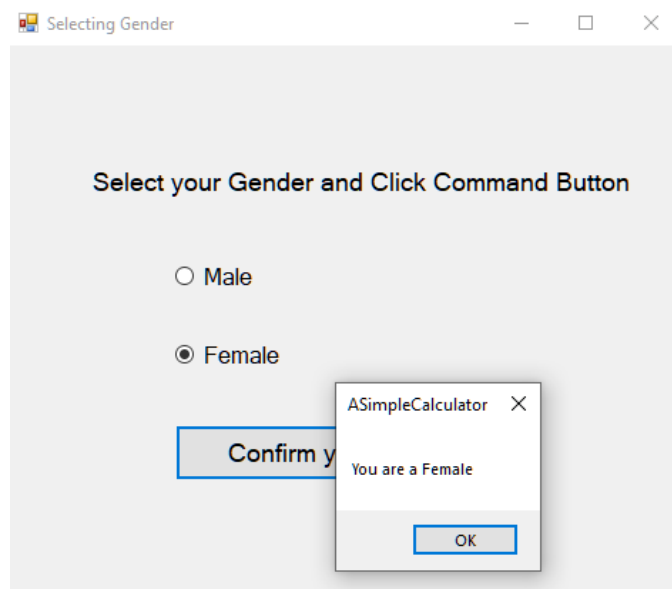
```
ElseIf optFemale.Checked = True Then
    MsgBox("You are a Female")
Else
    MsgBox("C'mon You are Neither Male not Female")
End If
End Sub
End Class
```

### Male Selected



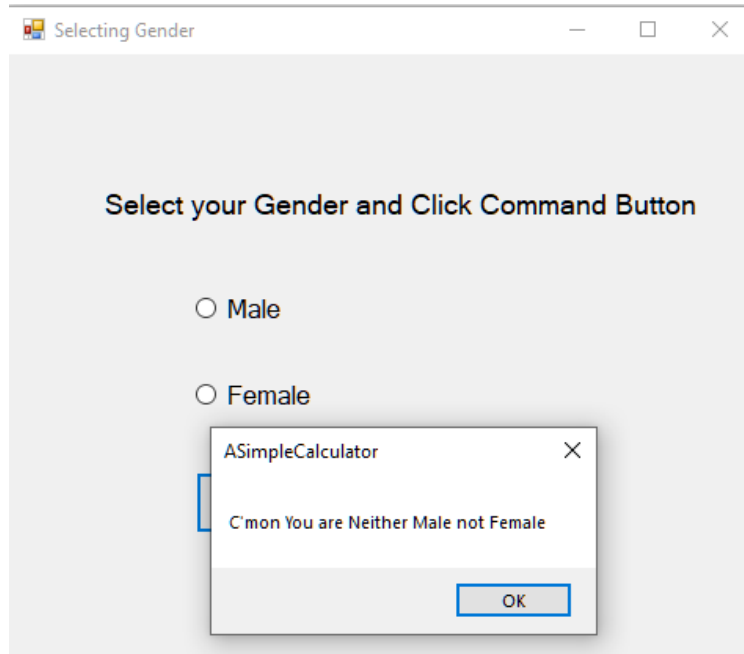
*Male Option*

### Female Selected



*Female Option*

## None Selected



*No option selected*