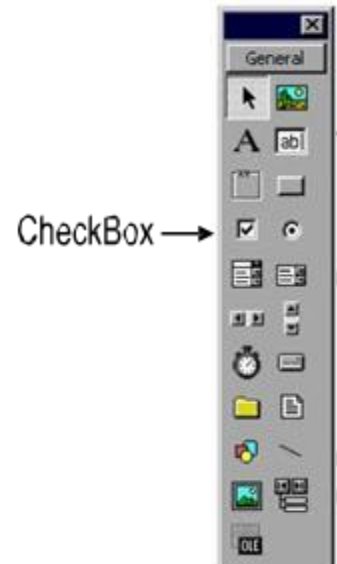


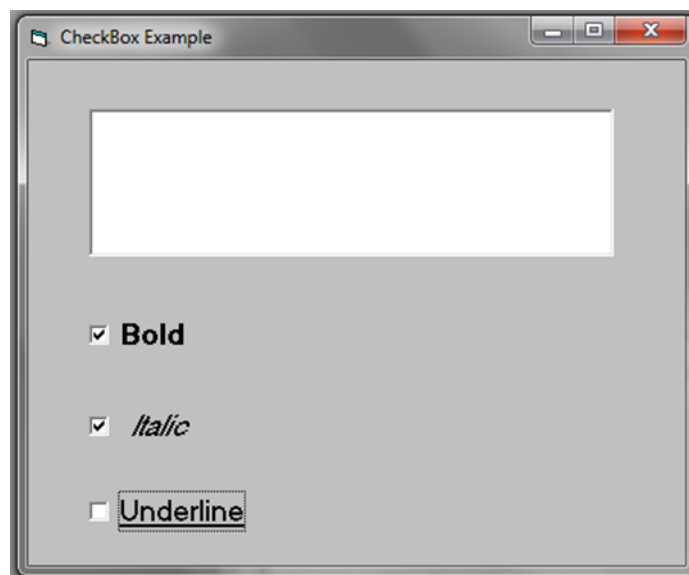
The Check Box:

The check box control displays a check mark when it is selected. It is commonly used to present a Yes/No or True/False selection to the user. You can use check box controls in groups to display multiple choices from which the user can select one or more.



Example1: Create a Visual Basic Project includes one TextBox and three CheckBoxes to change the style of your full name.

Solution:



The Code**CheckBox1:****Private Sub Check1_Click ()**

If Check1.Value = 1 Then

Text1.FontBold = True

Else

Text1.FontBold = False

End If

End Sub**CheckBox2:****Private Sub Check2_Click ()**

If Check2.Value = 1 Then

Text1.FontItalic = True

Else

Text1.FontItalic = False

End If

End Sub**CheckBox3:****Private Sub Check3_Click ()**

If Check3.Value = 1 Then

Text1.FontUnderline = True

Else

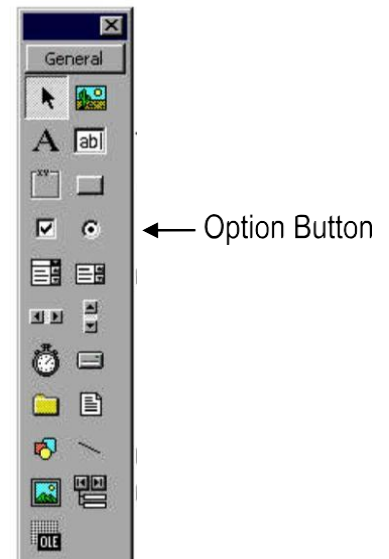
Text1.FontUnderline = False

End If

End Sub**RUN**

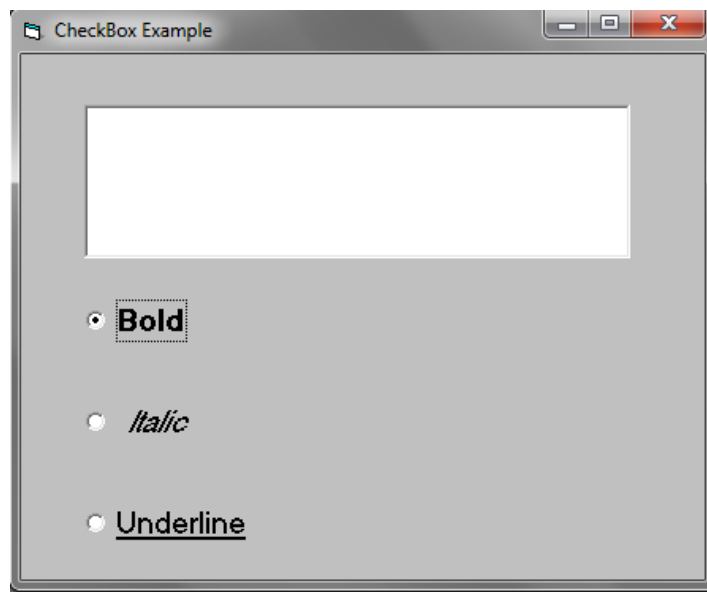
Option Button:

The check box control displays a check mark when it is selected. It is commonly used to present a Yes/No or True/False selection to the user. You can use check box controls in groups to display multiple choices from which the user can select one or more.



Example2: Create a Visual Basic Project includes one TextBox and three Option Buttons to change the style of your full name.

Solution:



The Code

Option Button1:

Private Sub Option1_Click ()

Text1.FontBold = True

Text1.FontItalic = False

Text1.FontUnderline = False

End Sub

Option Button2:

Private Sub Option2_Click ()

Text1.FontBold = False

Text1.FontItalic = True

Text1.FontUnderline = False

End Sub

Option Button3:

Private Sub Option3_Click ()

Text1.FontBold = False

Text1.FontItalic = False

Text1.FontUnderline = True

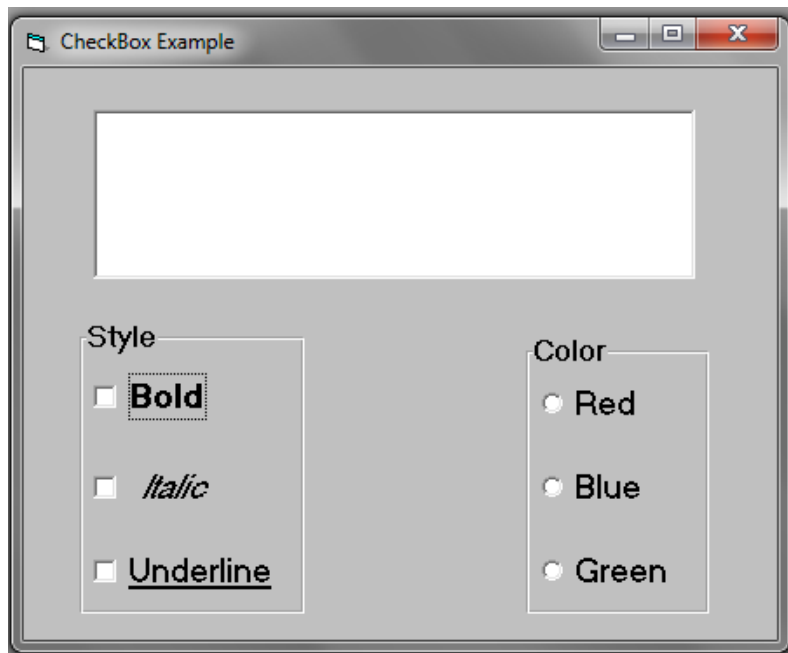
End Sub

RUN

What are the differences between an option button and a check box control?

1. In Check box, you can select multiple options. In Option Button you can select one option.
2. Option buttons are circular and check boxes are square.
3. When you click on an Option button, a little dot appears in the middle of the circle, when you click the check box little check mark appears in the middle of the square.

Example3: Create a Visual Basic Project includes one TextBox, three CheckBoxes and three Option Buttons to change the style and color of your full name.

Solution:

CheckBox1:**Private Sub Check1_Click ()**

```
If Check1.Value = 1 Then
```

```
Text1.FontBold = True
```

```
Else
```

```
Text1.FontBold = False
```

```
End If
```

End Sub**CheckBox2:****Private Sub Check2_Click ()**

```
If Check2.Value = 1 Then
```

```
Text1.FontItalic = True
```

```
Else
```

```
Text1.FontItalic = False
```

```
End If
```

End Sub**CheckBox3:****Private Sub Check3_Click()**

```
If Check3.Value = 1 Then
```

```
Text1.FontUnderline = True
```

```
Else
```

```
Text1.FontUnderline = False
```

```
End If
```

End Sub

Option Button1:**Private Sub Option1_Click()**

Text1.ForeColor = vbRed

End Sub**Option Button2:****Private Sub Option2_Click()**

Text1.ForeColor = vbBlue

End Sub**Option Button3:****Private Sub Option3_Click()**

Text1.ForeColor = vbGreen

End Sub

VBCode	RGBcode	Color	Constant
0	(0,0,0)	Black	vbBlack
1	0, 0, 255	Blue	vbBlue
2	0,255,0	Green	vbGreen
3	50,100,0	Cyan	vbCyan
4	255, 165, 0	Brown	vbBrown
5	255, 0, 255	Magenta	vbMagenta
12	255,0,0	Red	vbRed
14	255, 255, 0	Yellow	VbYellow
15	255, 255, 255	White	vbWhite

Questions:

1. Write a program to perform operations like addition, subtraction, multiplication and division using Option Button method.
2. Design a form to display your name in specific color and size.
3. Compare between your (Height) and your (Ideal Weight) using VB6.
4. Create a Visual Basic program to change the background color of the form according to the RGB codes.

H.W.**1. Using VB6 determines:**

$$Y = \begin{cases} 3x^2 + 1 & \text{For } x \geq 0 \\ \frac{2x}{x^2 - 1} & \text{For } x < 0 \end{cases}$$