**Chapter Four**

## H.W (1):- Write a program that collects three numbers and finds the average (sum in command1) and (average in command 2)

**Sol:-**

Dim x As Integer

Private Sub Command1\_Click()

Dim a, b, c As Integer

a = Val(txtf.Text)

b = Val(txts.Text)

c = Val(txtth.Text)

x = a + b + c

txtsum.Text = x

End Sub

………………………………………….

Private Sub Command2\_Click()

av = x / 3

txtavg.Text = av

End Sub

**H.W (2):-** You draw one command button and a label and set the properties as following, when a user click on the test button, will appear message. As the user click on the OK button, the message "Testing successful" will be displayed and when he/she clicks on the Cancel button, the message "Testing fail" will be displayed.

|  |  |  |
| --- | --- | --- |
| **Command1** | | |
| Name | | test |
| Caption | | test me |
| **labels** | | |
| Name | display | |
| Appearance | 0-flat | |
| Caption | Blank | |

**Sol:-**

Private Sub test\_Click()

Dim testmsg As Integer

testmsg = MsgBox("Click to test", 1, "Test message")

If testmsg = 1 Then

display.Caption = "Testing Successful"

Else

display.Caption = "Testing fail"

End If

End Sub

**H.W (3):-** You draw one command button and a label and set the properties as following, when a user click on the test button, will appear message. As the user click on the yes button, the message "Testing successful" will be displayed and when he/she clicks on the no button the message "Are you sure?" will be displayed and when he/she clicks on the Cancel button, the message "Testing fail" will be displayed.

|  |  |  |
| --- | --- | --- |
| **Command1** | | |
| Name | | test |
| Caption | | test me |
| **labels** | | |
| Name | display | |
| Appearance | 0-flat | |
| Caption | Blank | |

In this question, the following message box will be displayed.



**Sol:-**

Private Sub test\_Click()

Dim testMsg As Integer

testMsg = MsgBox("Click to Test", vbYesNoCancel + vbExclamation, "Test Message")

If testMsg = 6 Then

display.Caption = "Testing successful"

ElseIf testMsg = 7 Then

display.Caption = "Are you sure?"

Else

display.Caption = "Testing fail"

End If

End Sub

**H.W (4):-** You draw one command button and two labels and set the properties as following, when a user click the OK button, the input box will appear. After user entering the message and click OK, the message will be displayed, if he click Cancel, "No message" will be displayed.

|  |  |
| --- | --- |
| **Label1** | |
| **Caption** | **your message** |
| **Lable2** | |
| **Caption** | **blank** |
| **Apperance** | **0-flat** |
| **Command1** | |
| **Name** | **ok** |
| **Caption** | **ok** |

**Sol:-**

Private Sub OK\_Click()

Dim userMsg As String

userMsg = InputBox("What is your message?", "Message Entry Form", "Enter your messge here", 500, 700)

If userMsg <> " " Then

message.Caption = userMsg

Else

message.Caption = "No Message"

End If

End Sub

**H.W (5):-** You draw one command button and a label and when a user click on the command button, will appear message. As the user click on the Yes button, the message "welcome" will be displayed and when he clicks on the No button the message color is red and when he clicks on the Cancel button, the label1 back color is green.

**Sol:-**

Private Sub OK\_Click()

Dim a As String

a = MsgBox("click to play", vbYesNoCancel, "play message")

If a = vbYes Then

Label1.Caption = "welcome"

Else

If a = vbNo Then

Label1.ForeColor = vbRed

Else

Label1.BackColor = vbGreen

End If

End If

End Sub