**Class (A) Group (A)**

**Q 1\** Designthe program in vb contain form1, text1, text2, text3 and command1 write the code of command1-click-event to display msgbox contain Yes and No commands, and then checks the selection of these commands, if the user select Yes, find the sum of two numbers that entering in text1 and text2 and then put the result of sum in text3, or if the user select No, find the average of these numbers and put the result in text3.

**Solution:-**

Private Sub Command1\_Click()

Dim mymsg As String

Dim s, i, j As Integer

Dim av As Double

mymsg = MsgBox("choose yes or no", vbYesNo, "welcome")

If mymsg = 6 Then

i =val( Text1.Text)

j = val(Text2.Text)

s = i + j

Text3.Text = s

Else

If mymsg = 7 Then

i = Text1.Text

j = Text2.Text

s = i + j

av = s / 2

Text3.Text = av

End If

End If

End Sub

**Q 2\** writethe program in vb contain one form,list box**.** Writethecode for adding the following items (write welcome on the form, clear form, change back color). Then write the code of list box-click-event procedure to check the following selection of the user.

When the user select the first item, write the welcome on the form. When the user select the second item, clear the form from any string. When the user select the third item, change the back color of the form to yellow.

**Solution:-**

Private Sub Form\_Load()

List1.AddItem "write welcome on the form"

List1.AddItem "clear form"

List1.AddItem "change back color"

End Sub

………………………………………………….

Private Sub List1\_Click()

If List1.selected(0)= true Then

Print "welcome"

ElseIf List1. selected(1)= true Then

Form1.Cls

Else

Form1.BackColor = vbYellow

End If

End Sub

**Q3\** writethe program in vb contain one form,combo box, option1 and command1. Writethecode for adding the following items (caption, Alignment, fore color) in the combo box and then write the code of command1 to check the following selection from combo box.

When the user select the first item, change the caption property of option1 to "vb language".

 When the user select the second item, change the alignment of option1 to right. When the user select the third item, change the font color of option1 to green.

**Solution:-**

Private Sub Form\_Load()

Combo1.AddItem "caption"

Combo1.AddItem "alignment"

Combo1.AddItem "forecolor"

End Sub

…………………………………………….

Private Sub Command1\_Click()

If Combo1.ListIndex = 0 Then

Option1.Caption = "vb language"

ElseIf Combo1.ListIndex = 1 Then

Option1.Alignment = 1

Else

Option1.ForeColor = vbGreen

End If

End Sub

………………………………………………………………………………………………..

**Class (A) Group (B)**

**Q 1\** Design a standard project with one Form, one Text box, three option buttons its’ Captions (Red, Green, Blue), Write code:

1. No option button is selected when the program first executes.
2. When the user selects an option1 the Message “Text Color change to Red”, Ok (1) and cancel (2) buttons appear on message box, if Ok button is clicked the text1 color change to Red.
3. When the user selects an option2 the Message “Text Color change to Green”, Yes (6) and No (7) buttons appears on message box, if Yes button is clicked the text1 color change to Green.
4. When the user selects an option1 the Message “Text Color change to Blue”, Yes (6) and No (7) buttons appears on message box, if Yes button is clicked the text1 color change to Blue.

**Solution:-**

Dim a As String

Private Sub Form\_activate()

Option1.Value = False

Option2.Value = False

Option3.Value = False

End Sub

…………………………………………………………

Private Sub Option1\_Click()

Option1.Value = True

a = MsgBox("text color change to red", vbOKCancel, "text color")

If a = 1 Then

Text1.BackColor = vbRed

End If

End Sub

………………………………………………………………..

Private Sub Option2\_Click()

Option2.Value = True

a = MsgBox("text color change to green", vbYesNo, "text color")

If a = 6 Then

Text1.BackColor = vbGreen

End If

End Sub

…………………………………………………………….

Private Sub Option3\_Click()

Option3.Value = True

a = MsgBox("text color change to blue", vbYesNo, "text color")

If a = 6 Then

Text1.BackColor = vbBlue

End If

End Sub

**Q 2\** A standard project with two forms, write code:

1. When click on Form1; Change background color of Form1 to Blue
2. When Select Exit button; Quit from Program.
3. When Select Next button ; Go to Form2
4. When Select Back button ; Go Back To Form1
5. When Select Height button ; Change Height Property for Form2 to 10000

**4**

**5**

**1**

**2**

**3**

**Solution:-**

Private Sub Form\_click()

Form1.BackColor = vbBlue

End Sub

…………………………………….

Private Sub Exit\_Click()

End

End Sub

…………………………………….

Private Sub Next\_Click()

Form1.Hide

Form2.Show

End Sub

……………………………………………

Private Sub Back\_Click()

Form2.Hide

Form1.Show

End Sub

…………………………………………..

Private Sub Height\_Click()

Form2.Height = 10000

End Sub

**Q 3\** A standard project with one form, one command Button and one label, write code:

When Select **Command1**; **Find** the Even numbers for (50-90) numbers , **Print** it on Form, **Print** the Summation of Even numbers in **Label1 By Using For Cycle.**

**Solution:-**

Private Sub Command1\_Click()

Dim s, i As Integer

s = 0

For i = 50 To 90 Step 2

s = s + i

Print i

Label1.Caption = s

Next

End Sub

**Class (B) Group (A)**

**Q1\** A standard project with One Form, Two List box and Three Command Button its Title (Add, Move, Delete), write code:

1. When click Command1, Add 10 degrees of students into Listbox1
2. When click Command2, Move success degrees (greater than 49) from Listbox1 into Listbox2
3. When click Command3, Delete 5 degrees from Listbox1

**Solution:-**

Dim i As Integer

Dim a As string

Private Sub Command1\_Click()

For i = 1 To 10

a = InputBox("enter the degree of students", , "degree")

List1.AddItem a

Next

End Sub

…………………………………………………………….

Private Sub Command2\_Click()

If a > 49 Then

List2.AddItem a

List1.RemoveItem a

End If

End Sub

……………………………………………………………….

Private Sub Command3\_Click()

For a = 1 To 5

List1.RemoveItem a

Next

End Sub

**Q 2\** A standard project with one form, write code:

When Mouse Down on Label1 By Right Button; Change Caption for: Form1 to “Salaries System”, for Label1 to “SALARY for 2010”.

When Select Font Color button; Change Font color for Label1 to Green

When Select Back Color button ; Change background color for Label1 to White

When Select Size button ; Change Size of Font for Label1 to 24

1

2

3

6

5

4

When Select Bold button ; Change Font Style for Label1 to Bold

When Select Exit button ; Quit From Program

**Solution:-**

Private Sub fontcolor\_Click()

Label1.ForeColor = vbGreen

End Sub

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Private Sub backcolor\_Click()

Label1.BackColor = vbWhite

End Sub

……………………………………………………

Private Sub size\_Click()

Label1.FontSize = 24

End Sub

………………………………………………..

Private Sub fontbold\_Click()

Label1.FontBold = True

End Sub

……………………………………………………..

Private Sub exit\_Click()

End

End Sub

……………………………………………….

Private Sub Label1\_Click()

Form1.Caption = "salaries system"

Label1.Caption = "salary for 2010"

End Sub

**Q3\** A standard project with Two Form, Two Textbox and Command Button), write code:

When user click Command1, check the entered in the Textbox1 and Textbox2 If it matching the two keywords “Education College” and “Computer” Hide Form1 and Display Form2 Else show Message “Try again “.

**Solution:-**

Private Sub Command1\_Click()

Dim a As string

If Text1.Text = "Education College" Then

If Text2.Text = "Computer" Then

Form1.Hide

Form2.Show

Else

a = MsgBox("try again")

End If

End If

End Sub

………………………………………………………………………………………………

**Class (B) Group (B)**

**Q 1\** Design a standard project with one Form, one Text box, two option buttons, Write code:

1. No option button is selected when the program first executes.
2. When choose an option1; Enter Five integer Values by using InputBox and then find the average the positive numbers and put the result in the Text1.
3. When choose an option2; the Message “Are you sure to quit”, Yes no and cancel buttons appear on Message Box, if Yes button is clicked quit from program.

**Solution:-**

Private Sub Form\_activate()

Option1.Value = False

Option2.Value = False

End Sub

……………………………………………………

Private Sub Option1\_Click()

Dim i As Integer

Dim a As string

Dim av As Double

Option1.Value = True

s = 0

For i = 1 To 5

a = InputBox("enter five integer value", , "enter integer")

If a > 0 Then

s = s + a

av = s / a

Text1.Text = av

End If

Next

End Sub

……………………………………………

Private Sub Option2\_Click()

Dim x As Integer

Option2.Value = True

x = MsgBox("are you sure to guit", vbYesNoCancel, "quit")

If x = 6 Then

End

End If

End Sub

|  |
| --- |
|  |

**Q 2\** Convert the following IF statement into Select Case statement:

IF Age >=20 And Age<=35 then

Label1.Caption="Special Adult"

Else IF Age >65 then

Label1.Caption="Senior citizen"

Else

Label1.Caption="Everyone Else"

End IF

**Solution:-**

Select Case intAge

Case20 to 35: Label1.Caption="Special Adult"

CaseIs >65: Label1.Caption="Senior citizen"

Case Else: Label1.Caption="Everyone Else"

End Select

**Q3\** Design a standard project with one Form, Two Text box, two Checkbox, Write code:

1. When Check1 is checked; the text in Text1 Moved to Text2 Else (Check1 is unchecked)

Return text to Text1.

1. When Check2 is checked; the Message “Text Color change to Green”, Yes and No buttons appear on message box, if Yes button is clicked the Text1 color change to Green Else

(Check1 is unchecked) the Text1 color change to Black if the text was Green.

**Solution:-**

Private Sub Check1\_Click()

If Check1.Value = 1 Then

Text2.Text = Text1.Text

Else

Text2.Text = ""

End If

End Sub

…………………………………………..

Private Sub Check2\_Click()

Dim x As Integer

If Check2.Value = 1 Then

x = MsgBox("text color change to green", vbYesNo, "text color")

If x = 6 Then

Text1.BackColor = vbGreen

End If

Else

Text1.BackColor = vbBlack

End If

End Sub

**Class (C) Group (A)**

**Q 1\** A standard project with One Form, Two Listbox and Three CommandButton its Title (Add , Move, Delete) , write code :

1. When click Command1, Add 20 degrees of students into Listbox1
2. When click Command2, Move failure degrees (less than 50) from Listbox1 into Lisbox2.
3. When click Command3, Delete Third degree from Listbox1

**Solution:-**

Dim i As Integer

Dim a As string

Private Sub Command1\_Click()

For i = 1 To 20

a = InputBox("enter the degree of students", , "degree")

List1.AddItem a

Next

End Sub

…………………………………

Private Sub Command2\_Click()

If a < 50 Then

List2.AddItem a

List1.RemoveItem a

End If

End Sub

……………………………………………..

Private Sub Command3\_Click()

List1.RemoveItem (2)

End Sub

**Q2\** A standard project with Form, Label, Two Textbox and One Command Button, write code:

When click Command1, Print on the Label1 the value of Z when Z=X2+5Y-3 (Note: X, Y values enter by Textbox1 and Textbox2).

**Solution:-**

Private Sub Command1\_Click()

Dim x, y, z As Integer

x = Text1.Text

y = Text2.Text

z = x ^ 2 + 5 \* y - 3

Label1.Caption = z

End Sub

**Q 3\** Design the program in vb contain one Form, Combo box, Command 1 and Command2, change the caption of Command1 and command2 to appropriate the action of them, then write the code of :

1. Form –load –event procedure for adding the following items (Display string, Clean,

 Backcolor) in the combo box.

1. Command1 –click–event that allows the user to check the selection of item from a Combo box.
* When the user select the 1st item, display string "visual basic" on the form.
* When the user select 2nd item clean the form from any string.
* When the user select 3rd item change the back color of form into vbred.
1. Command-click –event procedure to exit from the program.

**Solution:-**

Private Sub Form\_Load()

Combo1.AddItem "display string"

Combo1.AddItem "clean"

Combo1.AddItem "backcolor"

End Sub

…………………………………………

Private Sub Command1\_Click()

If Combo1.ListIndex = 0 Then

Print "visual basic"

ElseIf Combo1.ListIndex = 1 Then

Cls

Else

Form1.BackColor = vbRed

End If

End Sub

…………………………………………….

Private Sub Command2\_Click()

End

End Sub

……………………………………………………………………………………………………………

**Class (C) Group (B)**

**Q1**\ Design a standard project with one Form, one Text box, two option buttons, Write code:

1. No option button is selected when the program first executes.
2. When choose an option1; the Message “Text Color change to Red”, Ok and cancel buttons appear on Message Box, if Ok button is clicked the text1 color change to Red
3. When choose an option2;Enter ten integer values by using Inputbox and find the multiply negative numbers and put the result in text1.

**Solution:-**

Private Sub Form\_activate()

Option1.Value = False

Option2.Value = False

End Sub

……………………………………………………..

Private Sub Option1\_Click()

Dim a As String

Option1.Value = True

a = MsgBox("text color change to red", vbOKCancel, "text color")

If a = 1 Then

Text1.BackColor = vbRed

End If

End Sub

……………………………………

Private Sub Option2\_Click()

Dim B As String

Dim m As Integer

m = 1

For i = 1 To 10

B = InputBox("enter ten integer value", , "enter integer")

If B < 0 Then

m = m \* B

Text1.Text = m

End If

Next

End Sub

**Q 2\** A standard project with one Form, Textbox and Frame that grouped in it two checkbox it's Caption (Locked , Multiline):

1. When check1 is checked the Text1 is Locked, else the Text1 is Unlocked.
2. When check2 is checked the Text1 is Multiline, else the Text1 is single-line.

**Solution:-**

Private Sub Check1\_Click()

If Check1.Value = 0 Then

Text1.Locked = False

Else

Text1.Locked = True

End If

End Sub

………………………………………

Private Sub Check2\_Click()

If Check2.Value = 0 Then

Text1.MultiLine = True

Else

Text1.MultiLine = False

End If

End Sub

**Q3\** Convert the following Select Case statement into IF statement:

Select Case Age

Case Is < 5 : Label1.Caption="Too Young"

Case 6 To 11: Label1.Caption="Elementary"

Case Else : Label1.Caption="don't Care"

End Select

**Solution:-**

If age<5 then

Label1.Caption="Too Young"

Elseif (age >=6 ) and (age <=11) then

Label1.Caption="Elementary"

Else

Label1.Caption="don't Care"

Endif