Institute of Engineering & Management
Department of Computer Science & Engineering
Software Tools Laboratory for 2ⁿᵈ year 4ᵗʰ Semester 2018
Code: CS 492

Date: 21/03/2018
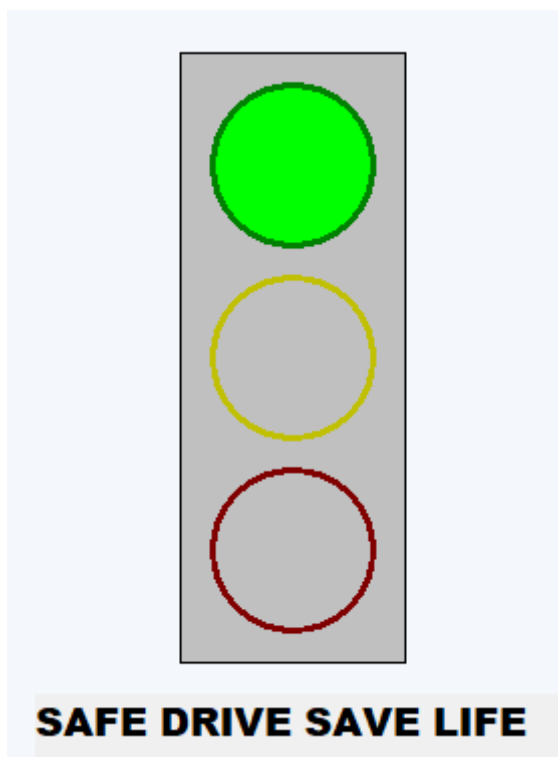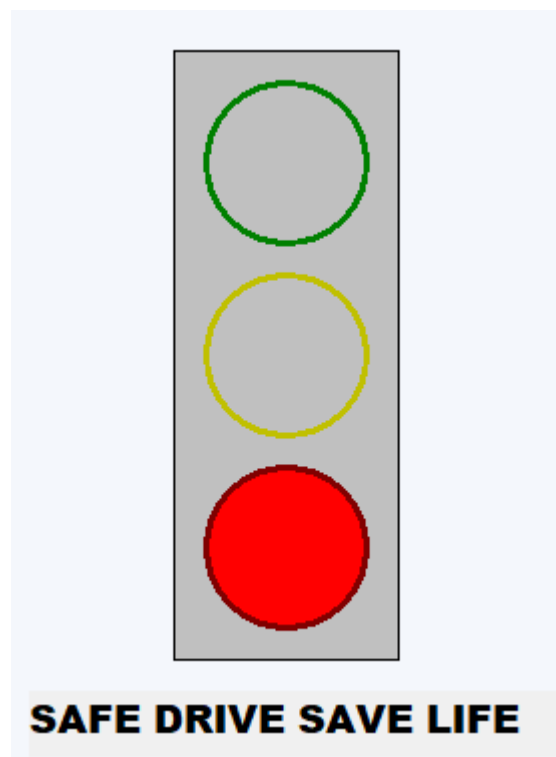
Week-6

Assignment-1

Problem Statement: Create a traffic signalling system using timer in VB6.

Screen-Shot:

Form-1:

Pic1: The Signal is Green   Pic2: The Signal is Red

Form Code:

For Form-1:

```
Dim count1 As Integer

Private Sub Form_Load()
Timer1.Enabled = True
End Sub

Private Sub Timer1_Timer()
```
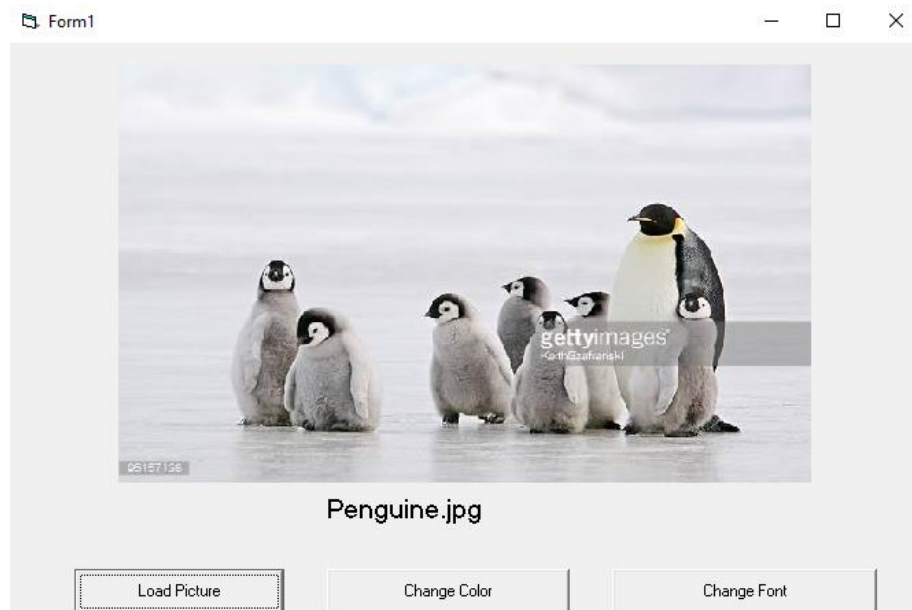
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```
If count1 > 36 Then
count1 = 0
End If
count1 = count1 + 1
If count1 <= 16 Then
Shape2.FillStyle = 0
Shape2.FillColor = vbGreen
Shape3.FillStyle = 1
Shape4.FillStyle = 1
ElseIf count1 > 16 And count1 <= 22 Then
Shape3.FillStyle = 0
Shape3.FillColor = vbYellow
Shape2.FillStyle = 1
Shape4.FillStyle = 1
ElseIf count1 > 22 And count1 <= 32 Then
Shape4.FillStyle = 0
Shape4.FillColor = vbRed
Shape3.FillStyle = 1
Shape2.FillStyle = 1
ElseIf count1 > 32 And count1 <= 36 Then
Shape3.FillStyle = 1
Shape2.FillStyle = 1
Shape4.FillColor = vbRed
If count1 = 33 Then
Shape4.FillStyle = 1
ElseIf count1 = 34 Then
Shape4.FillStyle = 0
ElseIf count1 = 35 Then
Shape4.FillStyle = 1
ElseIf count1 = 36 Then
Shape4.FillStyle = 0
End If
End If
End Sub
```
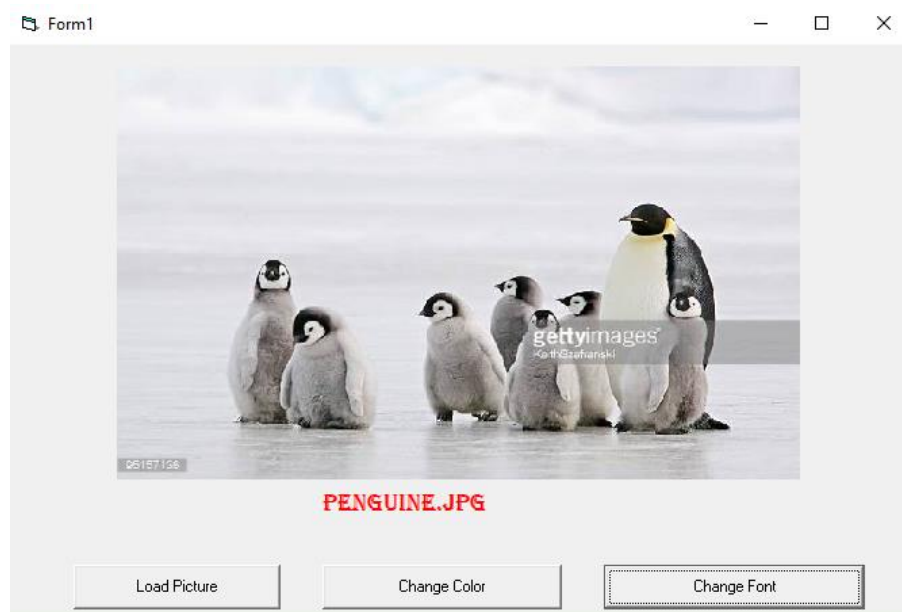
Assignment-2

Problem Statement: Load an image file in your VB form by clicking a "Load Image" button and show the name of the image file just below the loaded image. Create two more buttons in your form - "Change Colour" and "Change Font" which will be used to change the colour and font style of the image name. Use common dialog box to implement all these functionalities.

Screen-Shot:

Pic1: After loading the picture

 Pic2: After changing the colour & the font of the picture's name

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Form Code:

For Form-1:

```
Private Sub Command1_Click()
Cd1.Filter = "Image Files | *.jpg;*.jpeg;*.bmp;*.png;*.png"
Cd1.ShowOpen
Image1.Picture = LoadPicture(Cd1.FileName)
Label1.Caption = Cd1.FileTitle
End Sub

Private Sub Command2_Click()
Cd1.ShowColor
Label1.ForeColor = Cd1.Color
End Sub

Private Sub Command3_Click()
Cd1.ShowFont
Label1.FontName = Cd1.FontName
End Sub
```
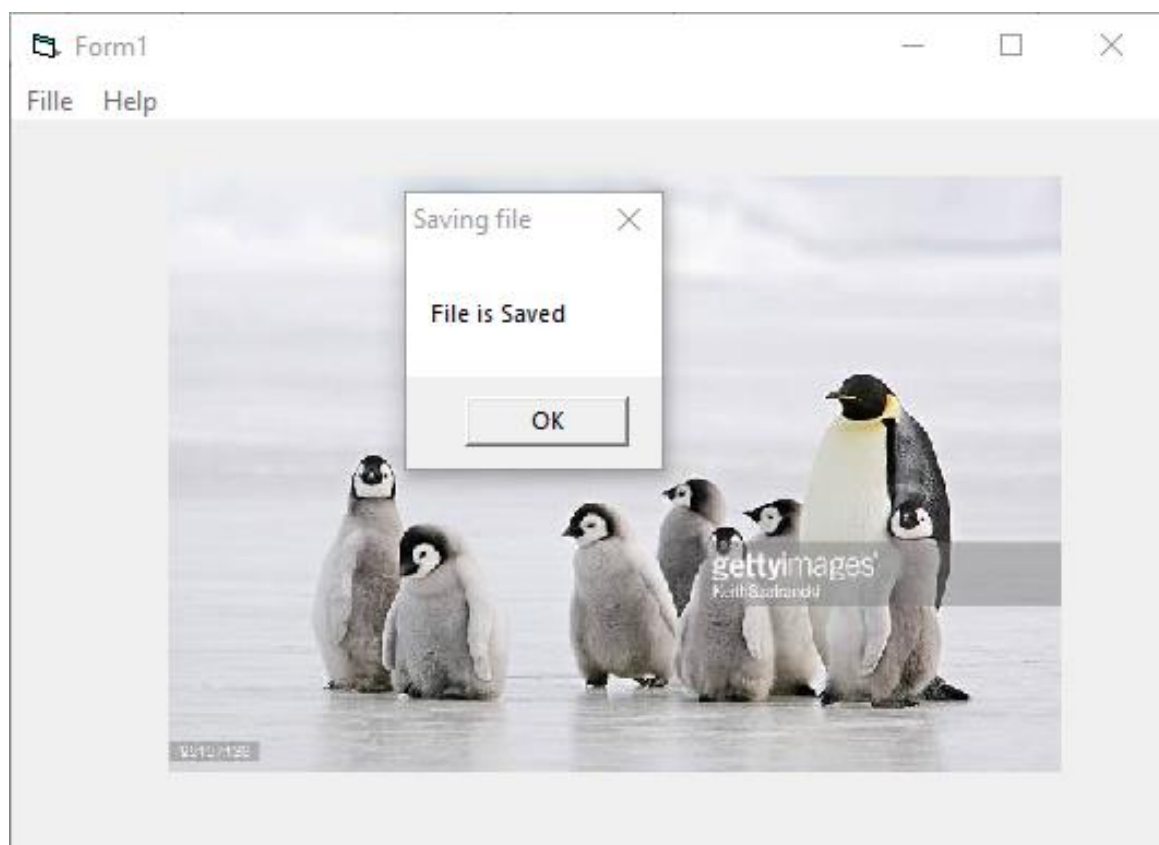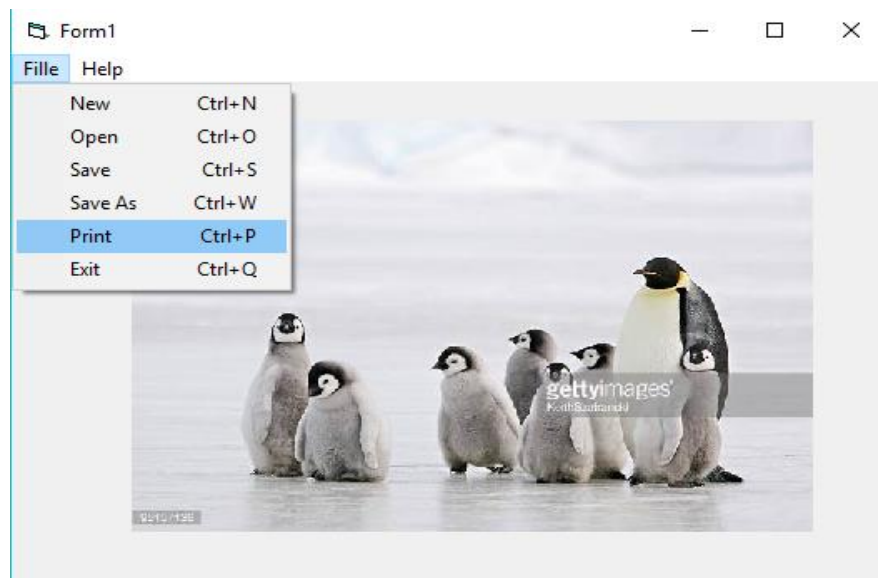
Assignment-3

Problem Statement: Create a VB menu. The menu will contain two main menus: - FILE AND HELP. Under the FILE menu these will be situated: - NEW, OPEN, SAVE, SAVE AS, PRINT, EXIT. Under the HELP menu there will be a sub menu named as ABOUT US. Every option must have a short cut key with a suitable letter. Every submenu must be clickable. When you click the NEW, a new form will be created with a label: - "THIS IS NEW FORM". When you click OPEN, a dialog box will be opened and select an image file from that dialog box and display that image in a picture box on your default form. When you will click the SAVE & SAVE AS, suitable message box will be opened. When you will click the PRINT option, you will be able to change the background colour of a form with a system palette. After clicking EXIT, the application will be closed. After clicking on ABOUT US a message box will be displayed with your details in a new line.

Screen-Shot:

Pic1: After Clicking on Save on File Menu

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Pic2: After Clicking on File Menu

Pic3: After Clicking on Print from File Menu & Selecting colour

Pic4: After Clicking on New from File Menu

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Form Code:

For Form-1:

```
Private Sub About_Click()
Call MsgBox("This is the week 6, 3rd Assignment")
End Sub

Private Sub Exit_Click()
Unload Me
End Sub

Private Sub New_Click()
Form2.Show
End Sub

Private Sub Open_Click()
cd1.Filter = "Image Files | *.jpg;*.jpeg;*.bmp;*.gif;*.png"
cd1.ShowOpen
Image1.Picture = LoadPicture(cd1.FileName)
End Sub

Private Sub Print_Click()
cd1.ShowColor
Form1.BackColor = cd1.Color
End Sub

Private Sub Save_Click()
Call MsgBox("File is Saved", vbOKOnly, "Saving file")
End Sub

Private Sub Saveas_Click()
Call MsgBox("Save The File As", vbOKCancel, "Saving file as")
End Sub
```