**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

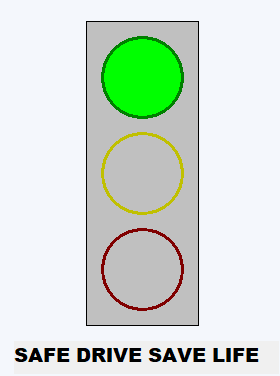
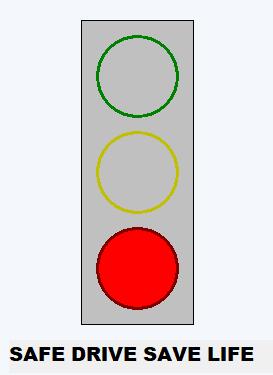
**Week-6**

**Assignment-1**

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

**Screen-Shot:**

**Form-1:**

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**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()  
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

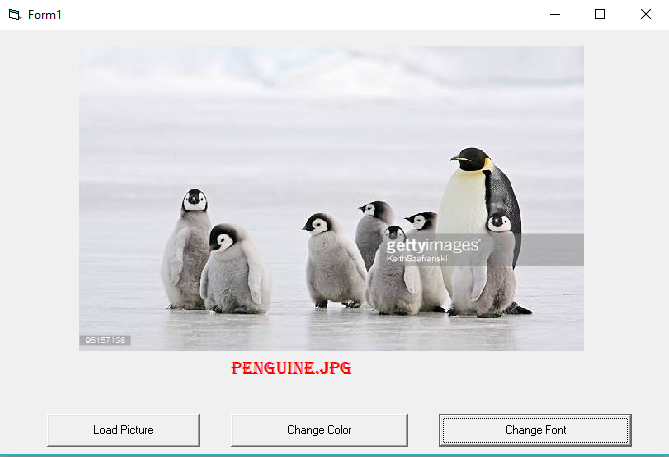
**Assignment-2**

**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:**

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**Pic1:** After loading the picture

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

**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

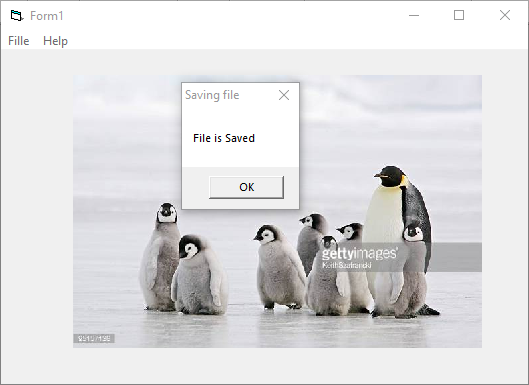
Label1.FontName = Cd1.FontName

End Sub

**Assignment-3**

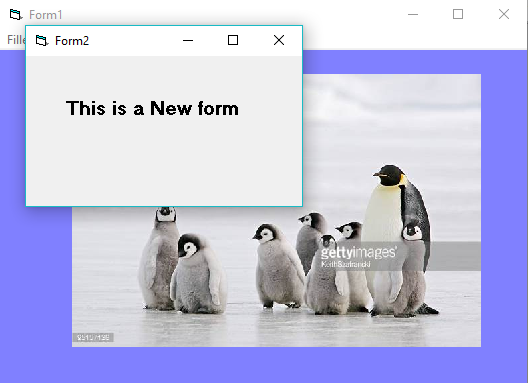
**Problem Statement:** Create a VB menu. The menu will contain two main menus: - FILE AND HELP.   
Under the FILE menu these will be situated: - NEW, OPEN, SAVE, SAVE AS, PRINT, EXIT. Under the HELP menu there will be a sub menu named as ABOUT US. Every option must have a short cut key with a suitable 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:**

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**Pic1:** After Clicking on Save on File Menu

**Pic2:** After Clicking on File Menu

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

**Pic4:** After Clicking on New from File Menu

**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