**Practical No 11**

**1. Write program using picture box control to load an image at run time.**



Public Class Form1

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

PictureBox1.ImageLocation = "E:\www.studyroom.xyz\ON\_Bulb.jpg"

PictureBox1.SizeMode = PictureBoxSizeMode.AutoSize

End Sub

End Class

**Experiment no 12 13**

**Write a program to display the traffic signal using timer control.**



Private Sub Timer1\_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick

If PictureBox1.Visible Then

PictureBox1.Visible = False

PictureBox2.Visible = True

PictureBox3.Visible = False

ElseIf PictureBox2.Visible Then

PictureBox1.Visible = False

PictureBox2.Visible = False

PictureBox3.Visible = True

ElseIf PictureBox3.Visible Then

PictureBox1.Visible = True

PictureBox2.Visible = False

PictureBox3.Visible = False

End If

End Sub

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Timer1.Enabled = True

Timer1.Interval = 1600

PictureBox1.Visible = True

PictureBox2.Visible = False

PictureBox3.Visible = False

End Sub

End Class

**Write a program to demonstrate the Tab Control in VB.net.**



**Experiment no 16**

**Write a program using recursion(Factorial).**

Module Module1

Sub Main()

Dim n As Integer

Console.WriteLine("Enter Number=")

n = Console.ReadLine()

Console.WriteLine("Result=")

Console.WriteLine(Fact(n))

Console.ReadLine()

End Sub

Function Fact(ByVal n As Integer)

If n = 0 Then

Fact = 1

Else

Fact = n \* Fact(n - 1)

End If

End Function

End Module

**Practical No 17**

**Write a program to identify Volume of Box Class, with three data members, length, breadth and height.**

Module Module1

Sub Main()

Dim obj As Box = New Box()

Dim vol As Integer

vol = obj.volume(2, 4, 4)

Console.WriteLine("Length =" & obj.l)

Console.WriteLine("Breadth =" & obj.b)

Console.WriteLine("Height =" & obj.h)

Console.WriteLine("Volume =" & vol)

Console.ReadLine()

End Sub

Class Box

Public l, b, h As Integer

Function volume(ByVal i As Integer, ByVal j As Integer,

\_ByVal k As Integer)

Dim v As Integer

l = i

b = j

h = k

v = l \* b \* h

Return v

End Function

End Class

End Module

**Experiment no 18**

**Implement a program to accept values from Combo Box and Display average of this in message box using class.**



Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim average As Single

average = (Val(ComboBox1.Text) + Val(ComboBox2.Text)) / 2

MsgBox("Average = " & average)

End Sub



**Experiment no 19**

**Implement a program for inheritance where Student is Child Class and faculty is Base class.(Take Appropriate variable in Base and Child class)**

Module Module1

Sub Main()

Dim s As New student

s.branch()

s.year()

Console.ReadLine()

End Sub

Class faculty

Dim b As String = "Computer"

Sub branch()

Console.WriteLine("Branch = " & b)

End Sub

End Class

Class student

Inherits faculty

Dim y As String = "Second Year"

Sub year()

Console.WriteLine("Year = " & y)

End Sub

End Class

End Module

**Experiment no 20**

**overloading**

Sub Main()

Dim res As New addition

Console.WriteLine("Overloaded Values of Class addition")

Console.WriteLine(res.add(10))

Console.WriteLine(res.add(35, 20))

Console.ReadLine()

End Sub

End Module

Public Class addition

Public i, j As Integer

Public Function add(ByVal i As Integer) As Integer

Return i

End Function

Public Function add(ByVal i As Integer, ByVal j As Integer) As Integer

Return i + j

End Function

End Class

**Experiment no 21**

**Implement windows application for employee details using overriding method.**

Module Module1

Sub Main()

Dim obj As New EmpInfo

obj.ShowInfo()

Console.ReadLine()

End Sub

End Module

Public Class EmpPersonalDetails

Dim name As String

Dim address As String

Public Overridable Function ShowInfo()

Console.WriteLine("Employee Name" & name)

Console.WriteLine("Employee Address" & address)

End Function

End Class

Public Class EmpInfo

Inherits EmpPersonalDetails

Dim EmpId As Integer

Dim sallary As Integer

Dim JoinDate As Date

Overloads Function ShowInfo()

MyBase.ShowInfo()

Console.WriteLine("Employee ID" & EmpId)

Console.WriteLine("Employee Sallary" & sallary)

Console.WriteLine("Employee Joining Date" & JoinDate)

End Function

End Class