Slip no 1 - Write a Vb.net program to check whether entered string is palindrome or not.

Public Class Form1

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

Dim str1 As String

str1 = TextBox1.Text

If str1 = StrReverse(str1) Then

MsgBox("String is Palindrome")

Else

MsgBox("String is Not Palindrome")

End If

End Sub

End Class

Slip 2 - Write a Vb.net program for blinking an image.

Public Class Form1

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

'compile time ---> timer property ---> enabled = true

'compile time ---> timer property ---> interval = 500

If PictureBox1.Visible = True Then

PictureBox1.Visible = False

Else

PictureBox1.Visible = True

End If

End Sub

End Class

Slip 3 - Write a Vb.Net program to move the Text “NR Classes” continuously from Left to

Right.

Public Class Form1

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

If Label1.Left > 400 Then

Label1.Left = 10

Else

Label1.Left = Label1.Left + 15

End If

End Sub

End Class

Slip 4 - Write a Vb.net program to accept a number from anuser through InputBox and display its multiplication table into the ListBox.

Public Class Form1

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

Dim n As Integer

Dim i As Integer

n = CInt(InputBox("Enter Number"))

For i = 1 To 10

ListBox1.Items.Add(n \* i)

Next

End Sub

End Class

Slip 5 - Write a Vb.net program to accept n numbers through InputBox and count the number of Armstrong and Perfect numbers among them and display their count by using messagebox.

Public Class Form1

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

Dim no(10) As Integer

Dim i As Integer

Dim num As Integer

Dim num2 As Integer

Dim r As Integer

Dim armno As Integer

Dim perfct As Integer

Dim cntarm As Integer

Dim cntperfct As Integer

Dim nm As Integer

For i = 0 To 5 - 1

no(i) = CInt(InputBox("Enter Number"))

Next

For i = 0 To 5 - 1

num = no(i)

armno = 0

perfct = 0

num2 = num

While num

r = num Mod 10

armno = armno + r \* r \* r

num = num \ 10

End While

If armno = num2 Then

cntarm = cntarm + 1

End If

num = num2

nm = 1

While nm <= num2 \ 2

If num2 Mod nm = 0 Then

perfct = perfct + nm

End If

nm = nm + 1

End While

If perfct = num Then

cntperfct = cntperfct + 1

End If

Next

MsgBox("Armstrong numbers " & cntarm)

MsgBox("Perfect numbers " & cntperfct)

End Sub

End Class

Slip 7 - Write a Vb.net program to design following screen, accept the details from the user.

Clicking on Submit button Net Salary should be calculated and displayed into the TextBox.

Display the MessageBox informing the Name and Net Salary of employee.

Public Class Form1

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

TextBox9.Text = CInt(TextBox2.Text) + CInt(TextBox3.Text) + CInt(TextBox4.Text) + CInt(TextBox5.Text) + CInt(TextBox6.Text) - CInt(TextBox7.Text) - CInt(TextBox8.Text)

MsgBox(TextBox1.Text & TextBox9.Text)

End Sub

End Class

Slip 8 - Write a Vb.net program to accept number from user into the TextBox. Calculate the squareroot of that number also convert the entered number into binary number and display result into the Message Box

Public Class Form1

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

Dim no As Integer

Dim sqr As Double

Dim rm As Integer

Dim str1 As String

no = CInt(TextBox1.Text)

sqr = Math.Sqrt(no)

While no

rm = no Mod 2

str1 = str1 & rm

no = no \ 2

End While

MsgBox(sqr & " and " & StrReverse(str1))

End Sub

End Class

Slip 9 - Design a Vb.net form to pick a date from DateTimePicker Control and display day, month and year in separate text boxes.

Public Class Form1

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

TextBox1.Text = Format(DateTimePicker1.Value, "dd")

TextBox2.Text = datetimepicker1.value.month

TextBox3.Text = datetimepicker1.value.year

End Sub

End Class

Slip 10 - Write a Vb.net program to accept a character from keyboard and check whether it is vowel or not. Also display the case of that character.

Public Class Form1

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

Dim c As String

Dim asc1 As Integer

c = TextBox1.Text

asc1 = Asc(c)

If c = "a" Or c = "A" Or c = "e" Or c = "E" Or c = "i" Or c = "I" Or c = "o" Or c = "O" Or c = "u" Or c = "U" Then

If asc1 <= 122 And asc1 >= 97 Then

MsgBox("vowel in Lowercase")

Else

MsgBox("vowel in Uppercase")

End If

ElseIf asc1 <= 122 And asc1 >= 97 Then

MsgBox("Not Vowel in Lowercase")

Else

MsgBox("Not Vowel in Uppercase")

End If

End Sub

End Class

Slip 11 - Write a Vb.net program to accept sentences in text box and count the number of words and display the count in message box.

Public Class Form1

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

Dim sentence As String

Dim i As Integer

Dim wc As Integer

sentence = TextBox1.Text

Dim arr() As Char = sentence.ToCharArray()

For i = 0 To arr.Length - 1

If arr(i) = " " Then

wc = wc + 1

End If

Next

MsgBox("Total Words " & wc + 1)

End Sub

End Class

Slip 12 - Write a Vb.net program to design the following form, accept the numbers through textbox and add them into the ListBoxe1by clicking on Add button. When user click on Prime button then all the prime numbers from ListBox1 should get added into ListBox2.

Public Class Form1

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

ListBox1.Items.Add(CInt(TextBox1.Text))

TextBox1.Text = ""

End Sub

Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Dim i As Integer

Dim cnt As Integer

Dim num As Integer

Dim f As Integer

Dim j As Integer

cnt = ListBox1.Items.Count

Try

For i = 0 To cnt - 1

num = ListBox1.Items(i)

f = 0

For j = 2 To num \ 2

If num Mod j = 0 Then

f = 1

End If

Next

If f = 0 Then

ListBox2.Items.Add(ListBox1.Items(i))

ListBox1.Items.RemoveAt(i)

cnt = cnt - 1

i = i - 1

End If

Next

Catch ex As Exception

End Try

End Sub

End Class

Slip 14 - Write a Vb.net program to design the following form, select the question number from combo box that question will be displayed into textbox and the options for that question will be displayed on four radio buttons, select option and click on submit button result should be displayed in another textbox.

Public Class Form1

Private Sub ComboBox1\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ComboBox1.SelectedIndexChanged

If ComboBox1.Text = "Question 1" Then

RichTextBox1.Text = "Which is capital of India?"

RadioButton1.Text = "Delhi"

RadioButton2.Text = "Mumbai"

RadioButton3.Text = "Pune"

RadioButton4.Text = "Chennai"

ElseIf ComboBox1.Text = "Question 2" Then

RichTextBox1.Text = "Which is capital of Maharashtra?"

RadioButton1.Text = "Delhi"

RadioButton2.Text = "Mumbai"

RadioButton3.Text = "Nagpur"

RadioButton4.Text = "Chennai"

End If

End Sub

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

MsgBox(ComboBox1.SelectedItem)

If ComboBox1.Text = "Question 1" And RadioButton1.Checked Then

TextBox1.Text = "Answer is correct"

ElseIf ComboBox1.Text = "Question 2" And RadioButton3.Checked Then

TextBox1.Text = "Answer is correct"

Else

TextBox1.Text = "Answer is Wrong"

End If

End Sub

End Class

Slip 15 - Write a Vb.net program to generate Sample TreeView control shown in following form:

Public Class Form1

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

TreeView1.Nodes.Add("Computer Science")

TreeView1.Nodes(0).Nodes.Add("BCA")

TreeView1.Nodes(0).Nodes.Add("BCS")

TreeView1.Nodes(0).Nodes.Add("MCA")

TreeView1.Nodes(0).Nodes(0).Nodes.Add("FYBCA")

TreeView1.Nodes(0).Nodes(0).Nodes.Add("SYBCA")

TreeView1.Nodes(0).Nodes(0).Nodes.Add("TYBCA")

TreeView1.Nodes(0).Nodes(1).Nodes.Add("FYBCS")

TreeView1.Nodes(0).Nodes(1).Nodes.Add("SYBCS")

TreeView1.Nodes(0).Nodes(1).Nodes.Add("TYBCS")

TreeView1.Nodes(0).Nodes(2).Nodes.Add("MCA(I)")

TreeView1.Nodes(0).Nodes(2).Nodes.Add("MCA(II)")

TreeView1.Nodes(0).Nodes(2).Nodes.Add("MCA(III)")

End Sub

End Class

Slip 18 - Write a Vb.net program to design the following form, accept all details from user and display the details through message box.

Public Class Form1

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

Dim name As String

Dim post As String

Dim qual As String = ""

name = TextBox1.Text

If RadioButton1.Checked = True Then

post = "Manager"

ElseIf RadioButton2.Checked = True Then

post = "Engineer"

ElseIf RadioButton3.Checked = True Then

post = "Accountant"

Else

post = "Manager"

End If

If CheckBox1.Checked Then

qual = qual & "BE "

End If

If CheckBox2.Checked Then

qual = qual & "MBA "

End If

If CheckBox3.Checked Then

qual = qual & "Graduate "

End If

If CheckBox4.Checked Then

qual = qual & "CA "

End If

MessageBox.Show("Name: " & name & " Post: " & post & " Qualification: " & qual, "Details", MessageBoxButtons.OK, MessageBoxIcon.Information)

End Sub

End Class

Slip 19 - Develop the menu based Vb.net application to implement a text editor with cut, copy, paste, save, close operations.

Imports System.IO

Public Class Form1

Dim s As New SaveFileDialog

Dim sw As StreamWriter

Dim filename As String

Private Sub CloseToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CloseToolStripMenuItem.Click

End

End Sub

Private Sub CutToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CutToolStripMenuItem.Click

RichTextBox1.Cut()

End Sub

Private Sub PasteToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PasteToolStripMenuItem.Click

RichTextBox2.Paste()

End Sub

Private Sub CoptToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CoptToolStripMenuItem.Click

RichTextBox1.Copy()

End Sub

Private Sub SaveToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles SaveToolStripMenuItem.Click

If s.ShowDialog = Windows.Forms.DialogResult.OK Then

filename = s.FileName

sw = New StreamWriter(filename)

sw.Write(RichTextBox1.Text)

sw.Close()

End If

End Sub

End Class

Slip 20 - Write a VB.NET program to do the following operations on RichTextBox values

i) Font Style ii) Font Color iii) Save iv) Open

Imports System.IO

Public Class Form1

Dim f As New FontDialog

Dim c As New ColorDialog

Dim s As New SaveFileDialog

Dim op As New OpenFileDialog

Dim filename As String

Dim searh As String

Dim sw As StreamWriter

Dim sr As StreamReader

'Private Sub Form1\_Resize(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Resize

' RichTextBox1.Size = Me.Size

'End Sub

Private Sub FontStyleToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FontStyleToolStripMenuItem.Click

If f.ShowDialog() = Windows.Forms.DialogResult.OK Then

RichTextBox1.Font = f.Font

End If

End Sub

Private Sub FontColorToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FontColorToolStripMenuItem.Click

If c.ShowDialog() = Windows.Forms.DialogResult.OK Then

RichTextBox1.ForeColor = c.Color

End If

End Sub

Private Sub SaveToolToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles SaveToolToolStripMenuItem.Click

If s.ShowDialog = Windows.Forms.DialogResult.OK Then

filename = s.FileName

sw = New StreamWriter(filename)

sw.Write(RichTextBox1.Text)

sw.Close()

End If

End Sub

Private Sub OpenToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OpenToolStripMenuItem.Click

If op.ShowDialog = Windows.Forms.DialogResult.OK Then

'Process.Start(op.FileName)

sr = New StreamReader(op.OpenFile)

RichTextBox1.Text = sr.ReadToEnd()

sr.Close()

End If

End Sub

End Class