

OUTPUT

$a[0,0]$

$a[0,1]$

$a[1,2]$

$a[3,4]$

$a[3,4]$

22. Write a program to demonstrate the use of 2 dimensional array with 5 rows and 2 columns?

Module Array

Sub Main()

Dim a() As Integer

{0,0}, {0,1}

{1,2}, {3,4}

{3,4}

Dim i, j As Integer

For i = 0 To 4

For j = 0 To 1

Console.WriteLine(a(i,j))

Next j

Next i

Console.ReadKey()

End Sub

End Module.

OUTPUT

Length is: 15

Mid is: hsta

Left is: Roh

Right is: Kumar

Space is: h Kumar

Replace is: rohatash Kumar

Trim is: rohatash Kumar

ltrim is: rohatash Kumar

rtrim is: rohatash Kumar

Ucase is: ROHATASH KUMAR

Lcase is: rohatash Kumar

Press any key to continue.....

23. Write a program of string Functions?

Module Module 1

Sub Main()

Dim leng As String = Len("Rohatash Kumar")

Console.WriteLine("length is:" & leng)

Dim middle As String = Mid("Rohatash Kumar", 3, 4)

Console.WriteLine("Mid is:" & middle)

Dim leftf As String = Left("Rohatash Kumar", 3)

Console.WriteLine("Left is:" & leftf)

Dim rightz As String = Right("Rohatash Kumar", 6)

Console.WriteLine("Right is:" & rightz)

Dim spaces As String = Right("Rohatash Kumar", 7)

Console.WriteLine("Space is:" & spaces)

Dim replaces As String = Replace("rohataSh kumar", "hat", "nmo")

Console.WriteLine("Replace is:" & replaces)

Dim trimt As String = Trim("rohataSh kumar")

Console.WriteLine("Trim is:" & trimt)

Dim ltriml As String = LTrim(" rohataSh kumar ")

Console.WriteLine("ltrim is:" & ltriml)

Dim rtrimr As String = RTrim(" rohataSh kumar ")

Console.WriteLine("rtrim is:" & rtrimr)

Dim ucasev As String = UCase("rohataSh kumar")

Console.WriteLine("Ucase is:" & ucasev)

Dim lcaseL As String = LCase("ROHATASH KUMAR")

Console.WriteLine("Lcase is:" & lcaseL)

End Sub

End Module

tutorialspoint.com

Customer ID:

Name

Address:

tutorialspoint.com

Customer ID:

Name

Address:

24. Write a program shows how to handle mouse events.

Public Class Form1

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.
Load

'set the caption bar text of the form.

Me.Text = "tutorialspoint.com"

End Sub

Private Sub txtID_MouseEnter(sender As Object, e As EventArgs)
Handles txtID.MouseEnter

'code for handling mouse enter on ID textbox

txtID.BackColor = Color.CornflowerBlue

txtID.ForeColor = Color.White

End Sub

Private Sub txtID_MouseLeave(sender As Object, e As EventArgs)
Handles txtID.MouseLeave

'code for handling mouse leave on ID textbox

txtID.BackColor = Color.White

txtID.ForeColor = Color.Blue

End Sub

Private Sub txtName_MouseEnter(sender As Object, e As EventArgs)
Handles txtName.MouseEnter

'code for handling mouse enter on Name textbox

txtName.BackColor = Color.CornflowerBlue

txtName.ForeColor = Color.White

End Sub

Private Sub txtName_MouseLeave(sender As Object, e As EventArgs)
Handles txtName.MouseLeave

'Code for handling mouse leave on Name textbox
txtName.BackColor = Color.White
txtName.ForeColor = Color.Blue

End Sub

Private Sub txtAddress_MouseEnter(sender As Object, e As EventArgs) _
Handles txtAddress.MouseEnter

'Code for handling mouse enter on Address textbox
txtAddress.BackColor = Color.CornflowerBlue
txtAddress.ForeColor = Color.White

End Sub

Private Sub txtAddress_MouseLeave(sender As Object, e As EventArgs) _
Handles txtAddress.MouseLeave

'Code for handling mouse leave on Address textbox
txtAddress.BackColor = Color.White
txtAddress.ForeColor = Color.Blue

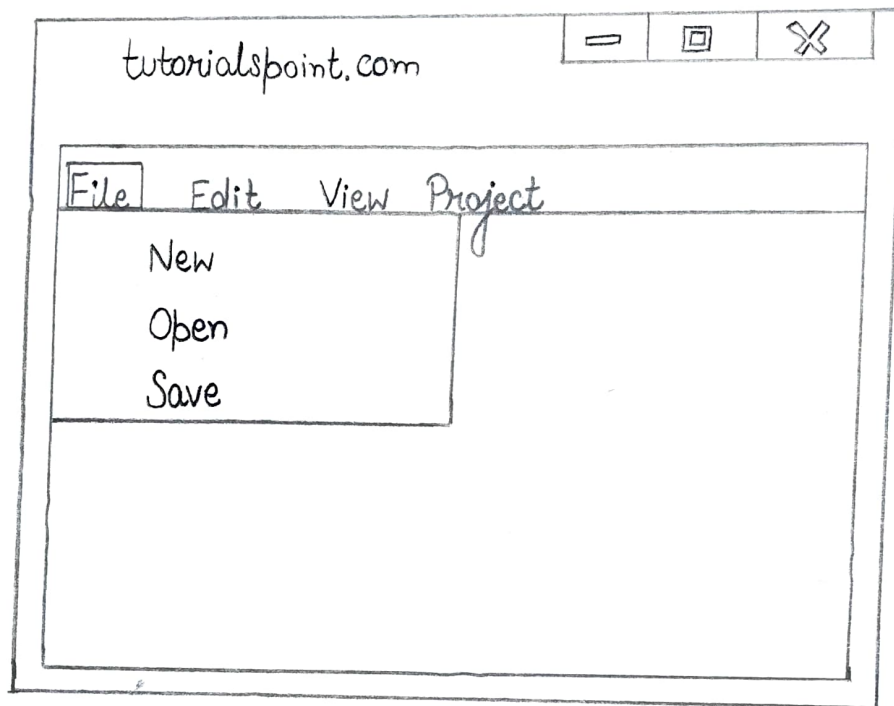
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) _
Handles Button1.Click

MsgBox("Thank you" & txtName.Text & ", for your kind
cooperation")

End Sub

End Class



25. Write a program of adding menus and sub-menus in an application.

Public Class Form1

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

 ' defining the main menu bar

 Dim mnuBar As New MainMenu()

 ' defining the menu items for the main menu bar

 Dim myMenuItemFile As New MenuItem("&File")

 Dim myMenuItemEdit As New MenuItem("&Edit")

 Dim myMenuItemView As New MenuItem("&View")

 Dim myMenuItemProject As New MenuItem("&Project")

 ' adding the menu items to the main menu bar

 mnuBar.MenuItems.Add(myMenuItemFile)

 mnuBar.MenuItems.Add(myMenuItemEdit)

 mnuBar.MenuItems.Add(myMenuItemView)

 mnuBar.MenuItems.Add(myMenuItemProject)

 ' defining some sub menus

 Dim myMenuItemNew As New MenuItem("&New")

 Dim myMenuItemOpen As New MenuItem("&Open")

 Dim myMenuItemSave As New MenuItem("&Save")

'add sub menus to the file menu

myMenuItemFile.MenuItems.Add(myMenuItemNew)

myMenuItemFile.MenuItems.Add(myMenuItemOpen)

myMenuItemFile.MenuItems.Add(myMenuItemSave)

'add the main menu to the form

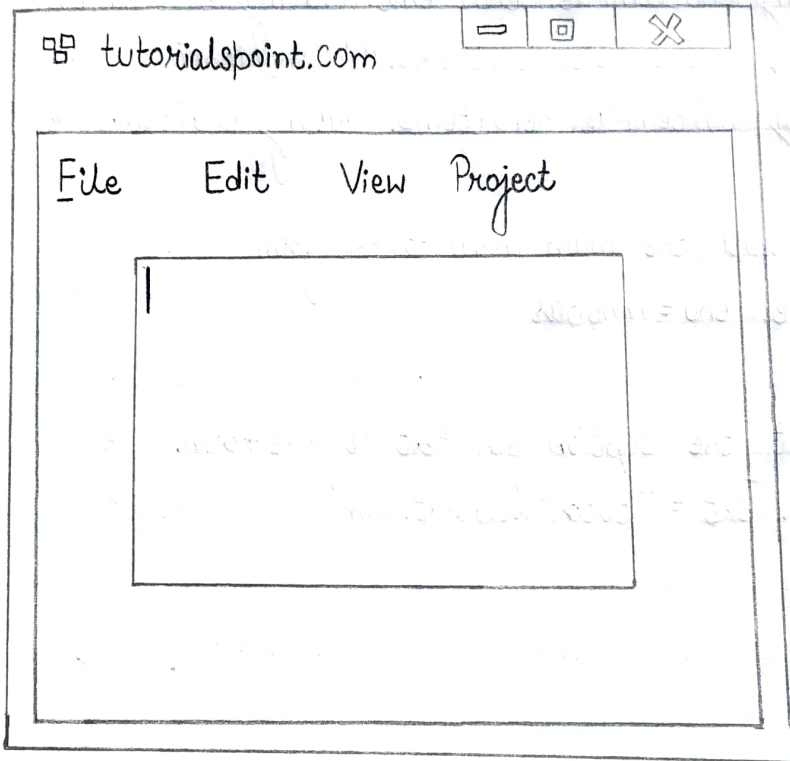
Me.Menu = mnuBar.

'Set the caption bar text of the form.

Me.Text = "tutorialspoint.com"

End Sub

End Class.

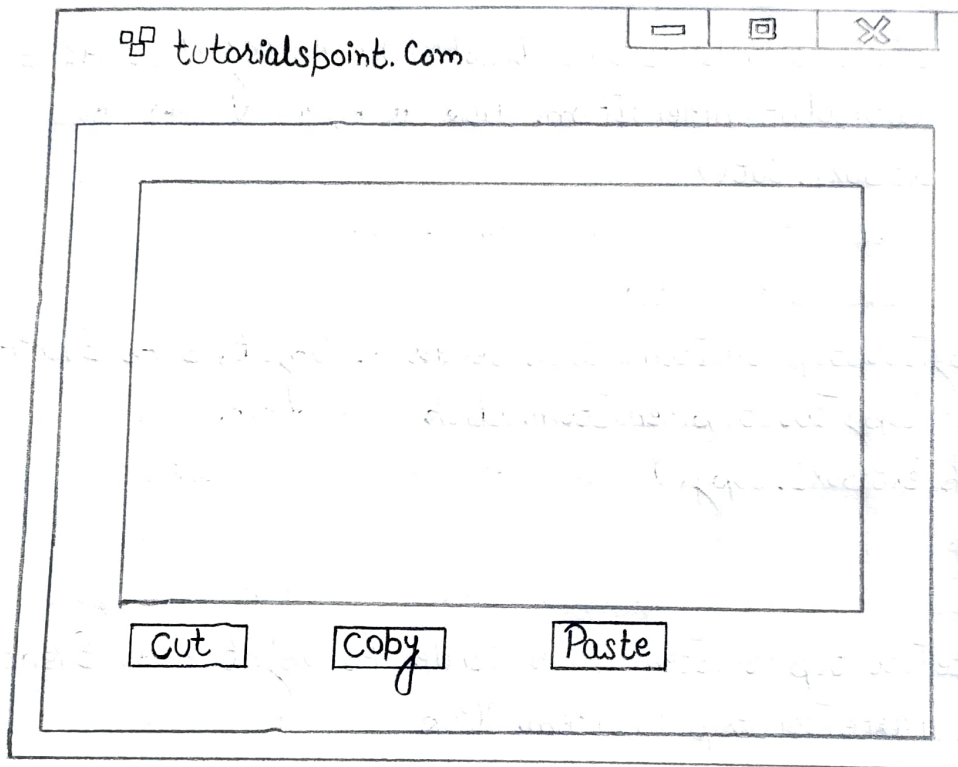


26. Write the program of double the menu items and add following codes in the Click event.

```
Private Sub CutToolStripMenuItem_Click(sender As Object, e As EventArgs) _  
    Handles CutToolStripMenuItem.Click  
    RichTextBox1.Cut()  
End Sub
```

```
Private Sub CopyToolStripMenuItem_Click(sender As Object, e As EventArgs) _  
    Handles CopyToolStripMenuItem.Click  
    RichTextBox1.Copy()  
End Sub
```

```
Private Sub PasteToolStripMenuItem_Click(sender As Object, e As EventArgs) _  
    Handles PasteToolStripMenuItem.Click  
    RichTextBox1.Paste()  
End Sub
```



27. Write a program adding the Cut, Copy and Paste Functionalities in a Form.

Public Class Form1

Private Sub Form1_Load(sender As Object, e As EventArgs) -
Handles MyBase.Load

'Set the caption bar text of the form
Me.Text = "tutorialspoint.com"

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) -
Handles Button1.Click

Clipboard.SetDataObject(RichTextBox1.SelectedText)

RichTextBox1.SelectedText = ""

End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) -
Handles Button2.Click

Clipboard.SetDataObject(RichTextBox1.SelectedText)

End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) -
Handles Button3.Click

Dim iData As IDataObject

iData = Clipboard.GetDataObject()

If (iData.GetDataPresent(DataFormats.Text)) Then

RichTextBox1.SelectedText = iData.GetData(DataFormats.Text)

Else

Expt. No. _____

Page No. 5

Date ____/____/____

RichTextBox1.SelectedText = " "

End If

End Sub

End Class

Teacher's Signature _____

Label1

A simple rectangular box with a thin black border, intended for text input.

Change Form Color

Change TextBox Color

Change Label Color

28. Write a program to display the Color dialog box in the VB.NET Windows Forms.

```
Public Class ColorDialog
```

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.  
Click
```

```
ColorDialog1.FullOpen = True
```

```
If ColorDialog1.ShowDialog <> Windows.Forms.DialogResult.Cancel Then
```

```
RichTextBox1.ForeColor = ColorDialog1.Color
```

```
RichTextBox1.BackColor = ColorDialog1.Color
```

```
End If
```

```
End Sub
```

```
Private Sub ColorDialog_Load(sender As Object, e As EventArgs) Handles  
MyBase.Load
```

```
Me.Text = "ghglms.org" 'set the title for the Windows form
```

```
Button1.Text = "Change TextBox Color"
```

```
Button2.Text = "Change Form Color"
```

```
Button3.Text = "Change Label Color"
```

```
End Sub
```

```
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles  
Button2.Click
```

```
ColorDialog1.FullOpen = False
```

```
If ColorDialog1.ShowDialog <> Windows.Forms.DialogResult.Cancel Then
```

```
Me.BackColor = ColorDialog1.Color 'Change Background Color of the form
```

```
End If
```

End Sub

Private Sub Button3_Click (sender As Object, e As EventArgs) Handles
Button3.Click

ColorDialog1.FullOpen = True

If ColorDialog1.ShowDialog <> Windows.Forms.DialogResult.Cancel Then
Label1.ForeColor = ColorDialog1.Color 'set the color of the Label

End If

End Sub

End Class

Uses of Font

Change Font

Exit

29. Create a program to display the Font dialog box in VB.NET.

Public Class FontDialog

Private Sub FontDialog_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Me.Text = "ghghms.org" 'Set the title name for the Windows form.

Button1.Text = "Change Font" 'set the name of Button1

Button2.Text = "Exit" 'name of button2

Label1.Text = "Uses of Font"

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

FontDialog1.ShowDialog = True

If FontDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then

TextBox1.Font = FontDialog1.Font 'Change the font of the selected string

TextBox1.ForeColor = FontDialog1.Color 'Change the color of selected string

End If

End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click

Me.Dispose() 'Terminate the program

End Sub

End Class