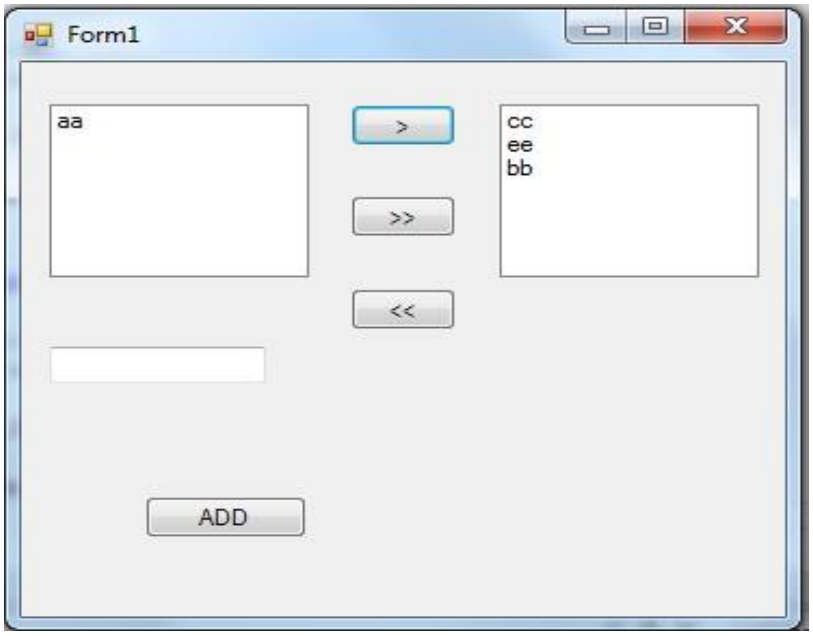
Practical No.: 1.1

Aim: -**Implementation of Basic Window Form Application Code:**

Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;
namespaceWindowsFormsApplication4
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}
privatevoidb1_Click(objectsender,EventArgse)
{
l1.Items.Add(txt1.Text); txt1.Text="";
}
privatevoidb2_Click(objectsender,EventArgse)
{
l2.Items.Add(l1.SelectedItem); inti=0;
i=l1.SelectedIndex; l1.Items.RemoveAt(i);

}
privatevoidb3_Click(objectsender,EventArgse)
{
intj=0;
for(j=0;j<=l1.Items.Count-1;j++)
{
l2.Items.Add(l1.Items[j]);
}
l1.Items.Clear();
}
privatevoidb4_Click(objectsender,EventArgse)
{
intj=0;
for(j=0;j<=l2.Items.Count-1;j++)
{
l1.Items.Add(l2.Items[j]);
}
l2.Items.Clear();
}
}
}
```

Output:



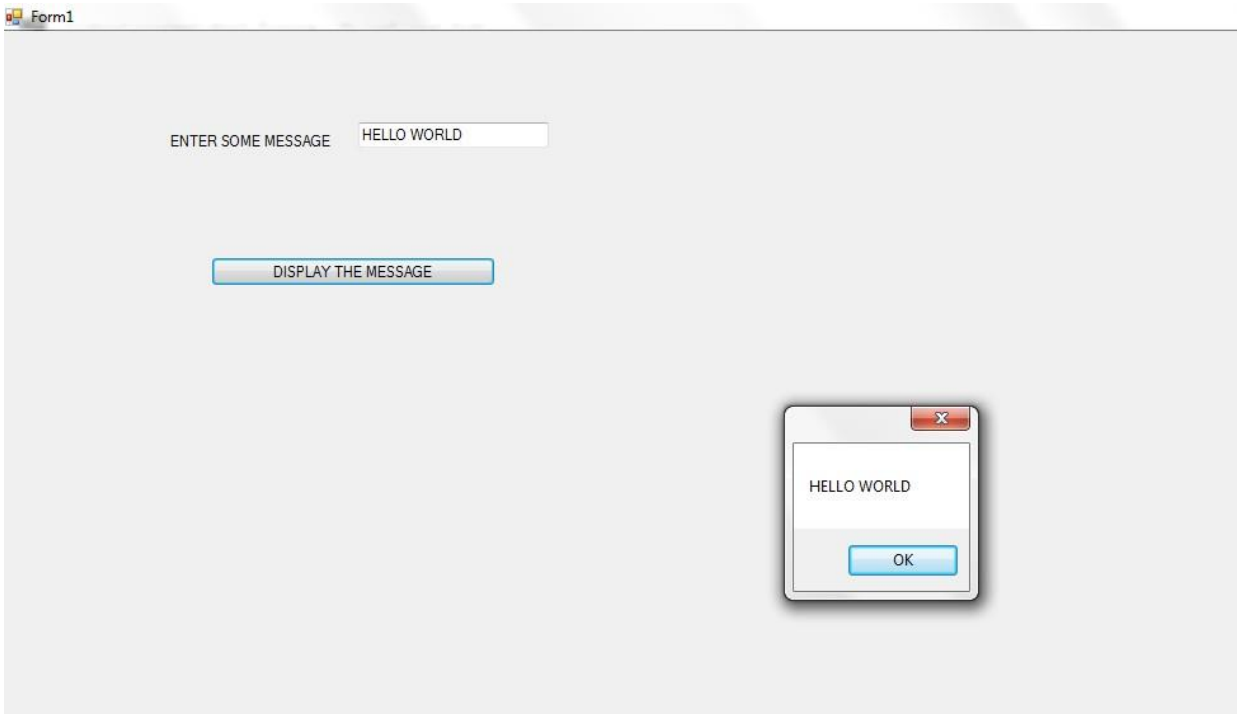
Practical No.: 1.2

Aim:-Write A Program To Show Use Of Label,Textbox And Button.

Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;
namespaceWindowsFormsApplication4
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}
privatevoidbutton1_Click(objectsender,EventArgse)
{
stringvar; var=t1.Text;
MessageBox.Show(var);
}
}
}
```

Output:



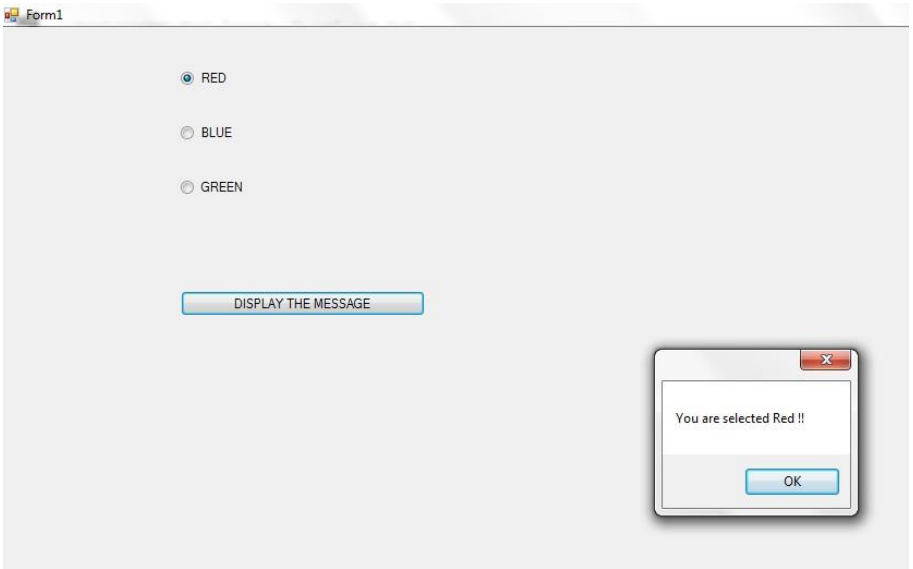
Practical No.: 1.3

Aim:-Write A Program To Show Use Of Radio Button.

Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;
namespaceWindowsFormsApplication4
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}
privatevoidbutton1_Click(objectsender,EventArgse)
{
if(radioButton1.Checked==true)
{
MessageBox.Show("YouareselectedRed!!");
return;
}
elseif(radioButton2.Checked==true)
{
MessageBox.Show("YouareselectedBlue!!");
return;
}
else
{
MessageBox.Show("YouareselectedGreen!!");
return;
}
}
}
}
```

Output:



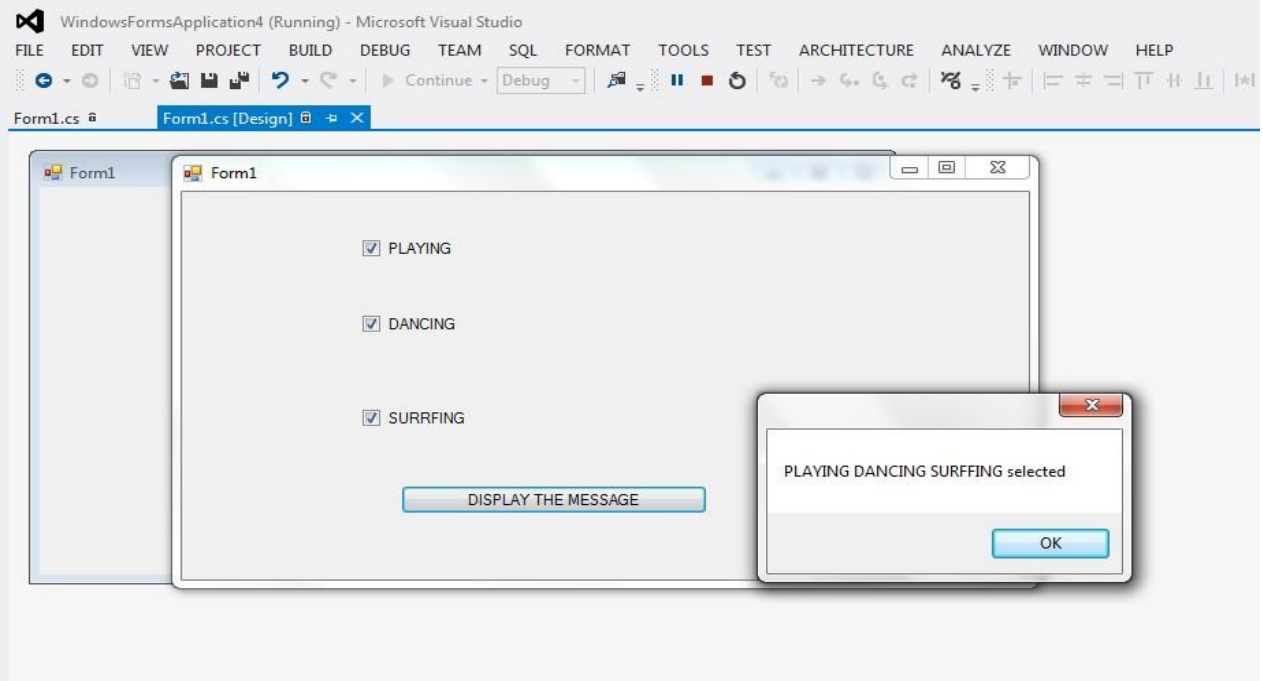
Aim: -Write A Program To Show Use Of Checkbox.

Source Code:-

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication4
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}

privatevoidbutton1_Click(objectsender,EventArgse)
{
stringmsg="";

if(checkBox1.Checked==true)
{
msg="PLAYING";
}

if(checkBox2.Checked==true)
{
msg=msg+"DANCING";
}

if(checkBox3.Checked==true)
{
msg=msg+"SURFFING";
}

if(msg.Length>0)
{
MessageBox.Show(msg+"selected");
}
else
{
MessageBox.Show("Nocheckboxselected");
}
```

```
checkBox1.ThreeState=true;
}
}
}
```

Output:



Practical No.: 1.4

Aim: - Write a Program Using Advance Window Form Controls (Panel,GroupBox)

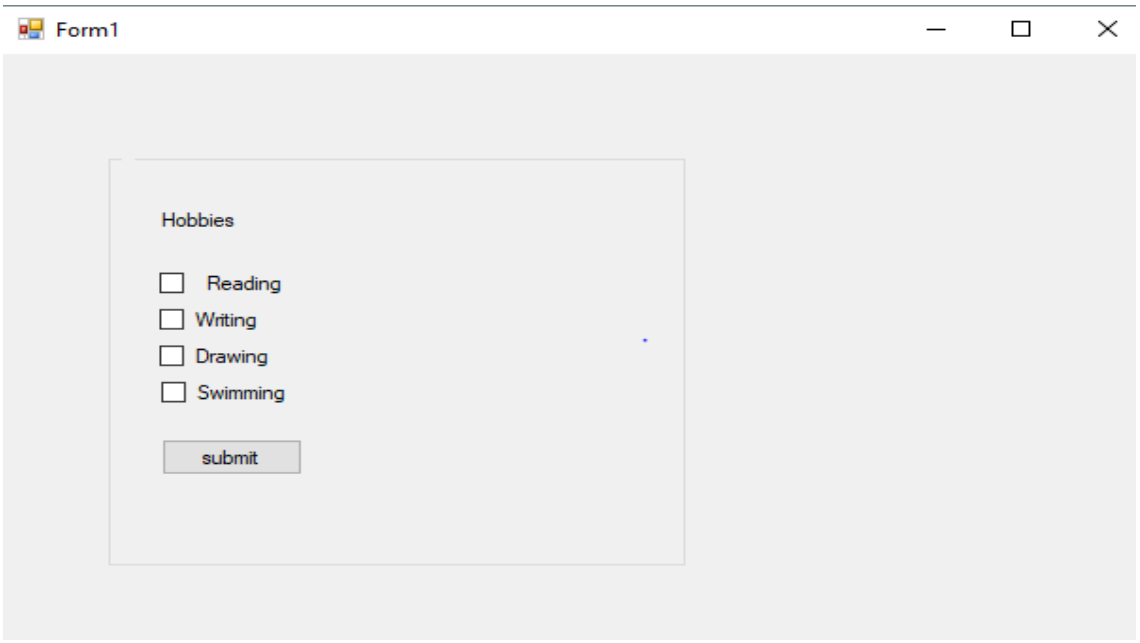
Source Code:

GroupBox:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespacegroupbox
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}

privatevoidgroupBox1_Enter(objectsender,EventArgse)
{

}

privatevoidlabel1_Click(objectsender,EventArgse)
{

}

privatevoidcheckBox1_CheckedChanged(objectsender, EventArgse)
{

}

privatevoidcheckBox2_CheckedChanged(objectsender, EventArgse)
{

}

privatevoidcheckBox3_CheckedChanged(objectsender, EventArgse)
{

}

privatevoidcheckBox4_CheckedChanged(objectsender, EventArgse)
{

}
```

```
privatevoidbutton1_Click(objectsender,EventArgse)
{

}
}
}
```

Output:

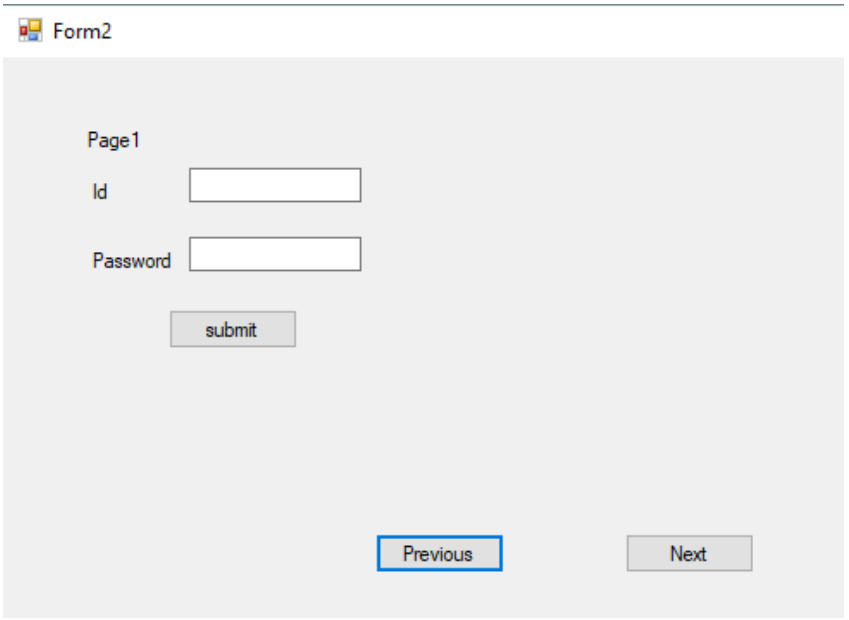


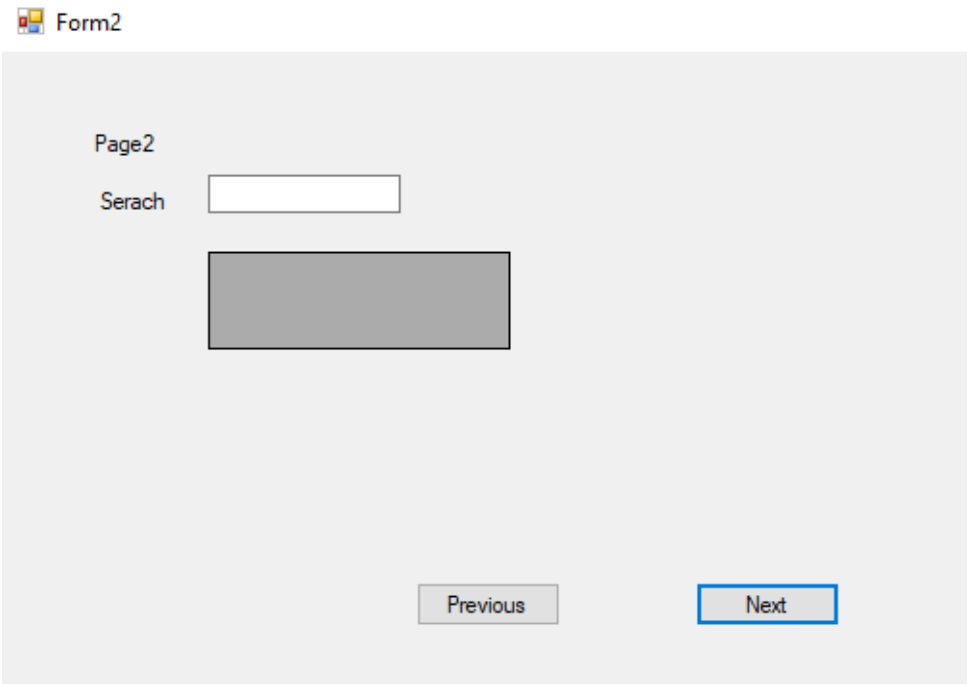
Code: Panel:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespacegroupbox
{
publicpartialclassForm2:Form
{
List<Panel>listpanel=newList<Panel>();

intindex;
publicForm2()
{
InitializeComponent();
}
```

```
privatevoidbutton3_Click(objectsender,EventArgse)
{
if(index<listpanel.Count-1) listpanel[++index].BringToFront();
}

privatevoidForm2_Load(objectsender,EventArgse)
{
listpanel.Add(panel1); listpanel.Add(panel2);
listpanel[index].BringToFront();
}

privatevoidbutton2_Click(objectsender,EventArgse)
{
if(index>0)
listpanel[--index].BringToFront();

}
}
}
```

Output:





Practical No.: 1.5

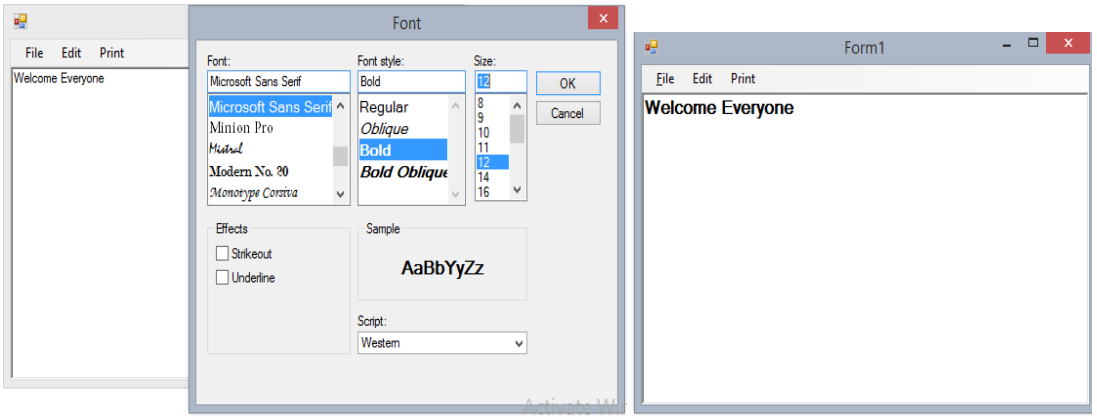
Aim: - Write a Program Using Advance Window Form Controls (FontDialogBox,ColorDialogBox).

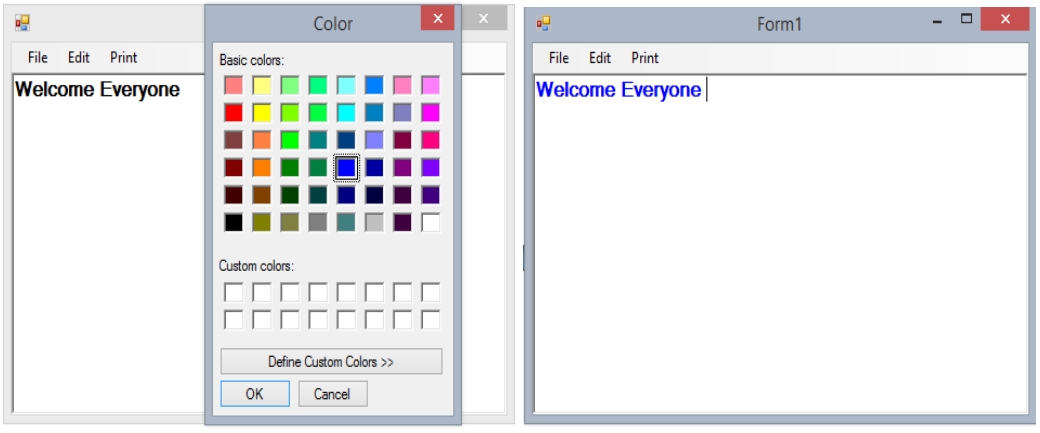
Source Code:-

```
namespaceWindowsFormsApplication1
{
publicpartialclassForm1:Form
{
stringa; publicForm1()
{
InitializeComponent();
}

privatevoidnewToolStripMenuItem_Click(objectsender, EventArgse)
{
rtb1.Text="";
}

privatevoidopenToolStripMenuItem_Click(objectsender, EventArgse)
{
ofd.Filter="RichTextFormat(*.rtf)|*.rtf|Text Files(*.txt)|*.txt";

if(ofd.ShowDialog()==DialogResult.OK)
{

rtb1.LoadFile(ofd.FileName,RichTextBoxStreamType.PlainText);
}
a=rtb1.Text;
}

privatevoidsaveToolStripMenuItem_Click(objectsender, EventArgse)
{
sfd.Filter="RichTextFormat(*.rtf)|*.rtf|Text Files(*.txt)|*.txt";

if(sfd.ShowDialog()==DialogResult.OK)
{
rtb1.SaveFile(sfd.FileName);
}
}

privatevoidexitToolStripMenuItem_Click(objectsender, EventArgse)
{
Application.Exit();
}


privatevoidcutToolStripMenuItem_Click(objectsender, EventArgse)
{
if(rtb1.SelectionLength>0) rtb1.Cut();
}
```

```
privatevoidpasteToolStripMenuItem_Click(objectsender, EventArgse)
{
rtb1.Paste();
}

privatevoidcopyToolStripMenuItem_Click(objectsender, EventArgse)
{
if(rtb1.SelectionLength>0)

rtb1.Copy();
}

privatevoidfontToolStripMenuItem_Click(objectsender, EventArgse)
{
if(fd.ShowDialog()==DialogResult.OK)
{
rtb1.SelectionFont=fd.Font;
}
}

privatevoidcolorToolStripMenuItem_Click(objectsender, EventArgse)
{
if(cd.ShowDialog()==DialogResult.OK) rtb1.SelectionColor=cd.Color;
}
}
}
```

Output:





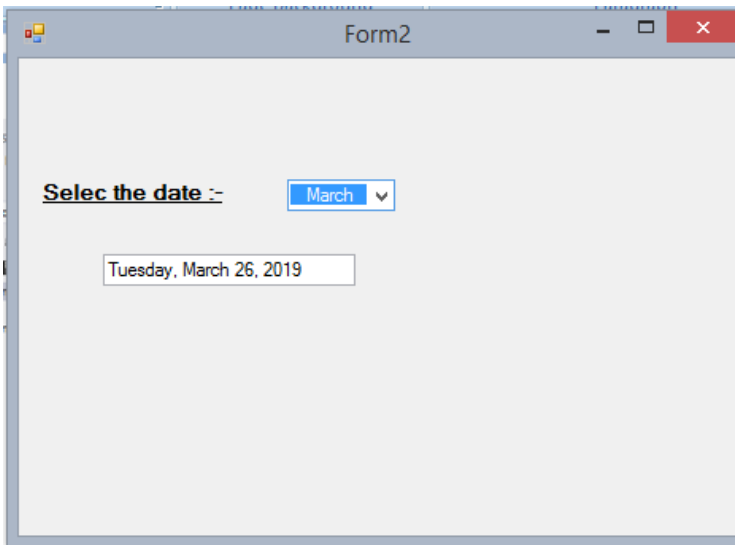
Practical No.: 1.6

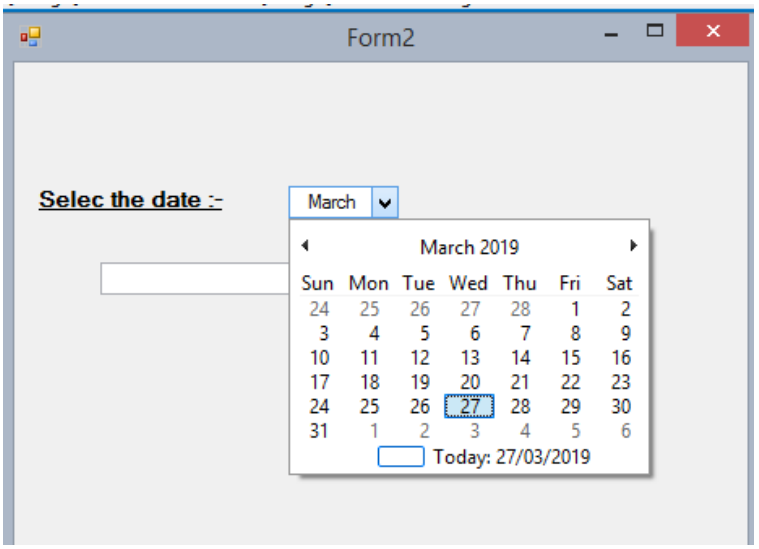
Aim: - Write a Program Using Advance Window Form Controls (DateTimePicker,ToolTip)

Source Code:-

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication1
{
publicpartialclassForm2:Form
{
publicForm2()
{
InitializeComponent();
}

privatevoiddateTimePicker1_ValueChanged(objectsender, EventArgse)
{
dateTimePicker1.Format=DateTimePickerFormat.Long;
textBox1.Text=dateTimePicker1.Text;
}

privatevoidlabel1_Click(objectsender,EventArgse)
{
}
}
}
```

Output:





Practical No.: 1.7

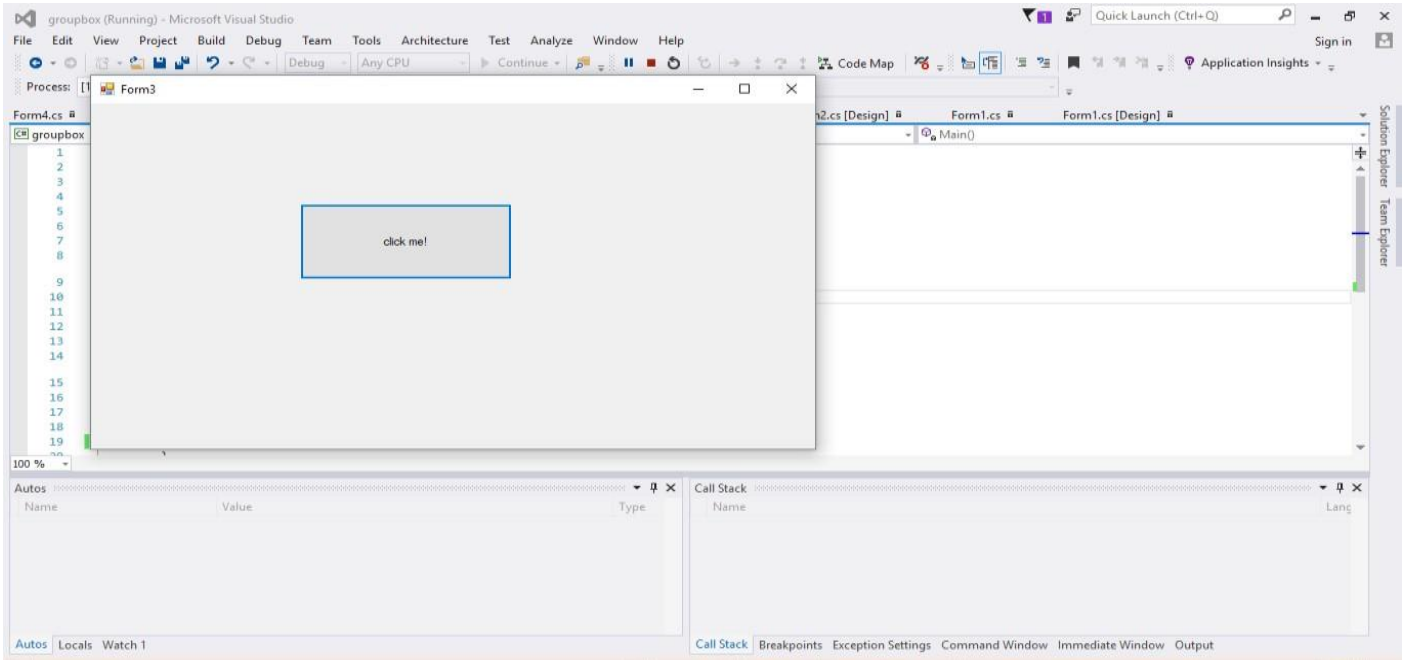
Aim: - Write a Program Using Advance Window Form Controls (NotifyIcon,LinkLabel)

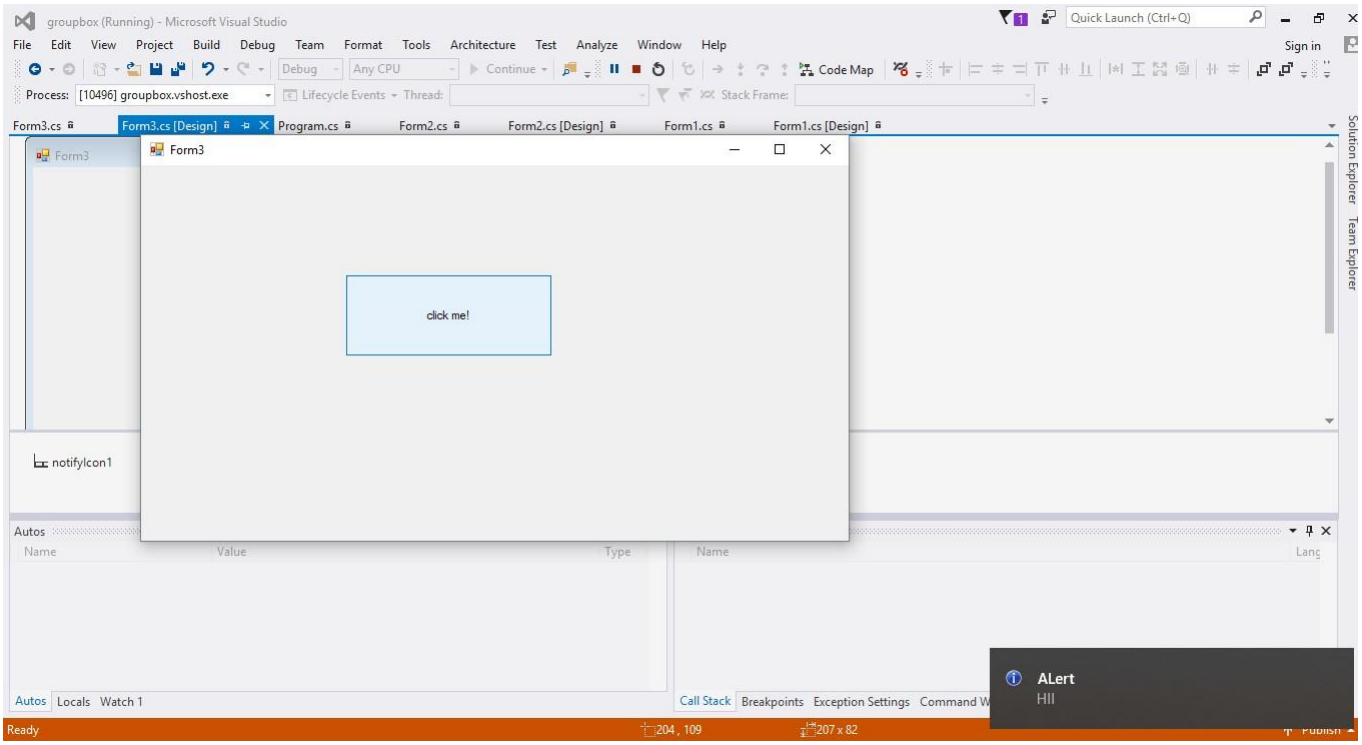
Source Code:

Notify icon:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespacegroupbox
{
publicpartialclassForm3:Form
{
publicForm3()
{
InitializeComponent();
}
privatevoidbutton1_Click(objectsender,EventArgse)
{
notifyIcon1.BalloonTipText="HII"; notifyIcon1.BalloonTipTitle="ALert";
notifyIcon1.Icon=SystemIcons.Information; notifyIcon1.ShowBalloonTip(500);

}
}
}
```

Output:



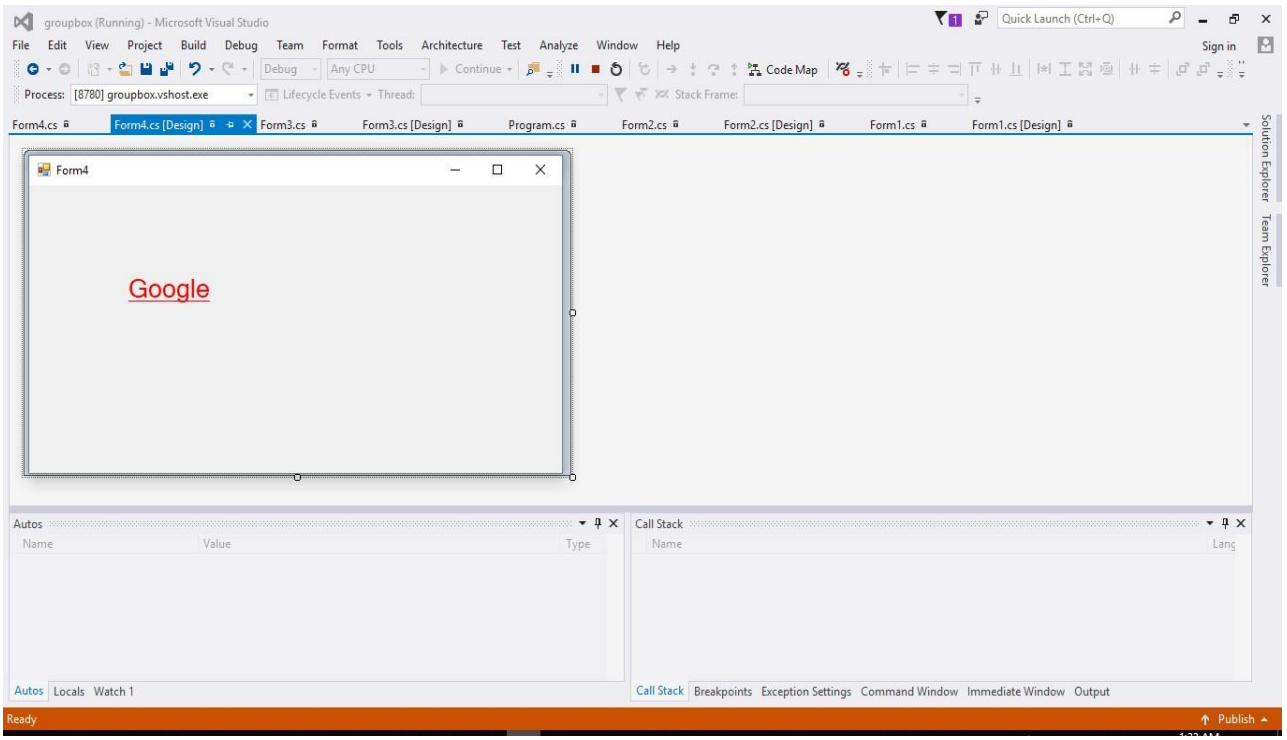


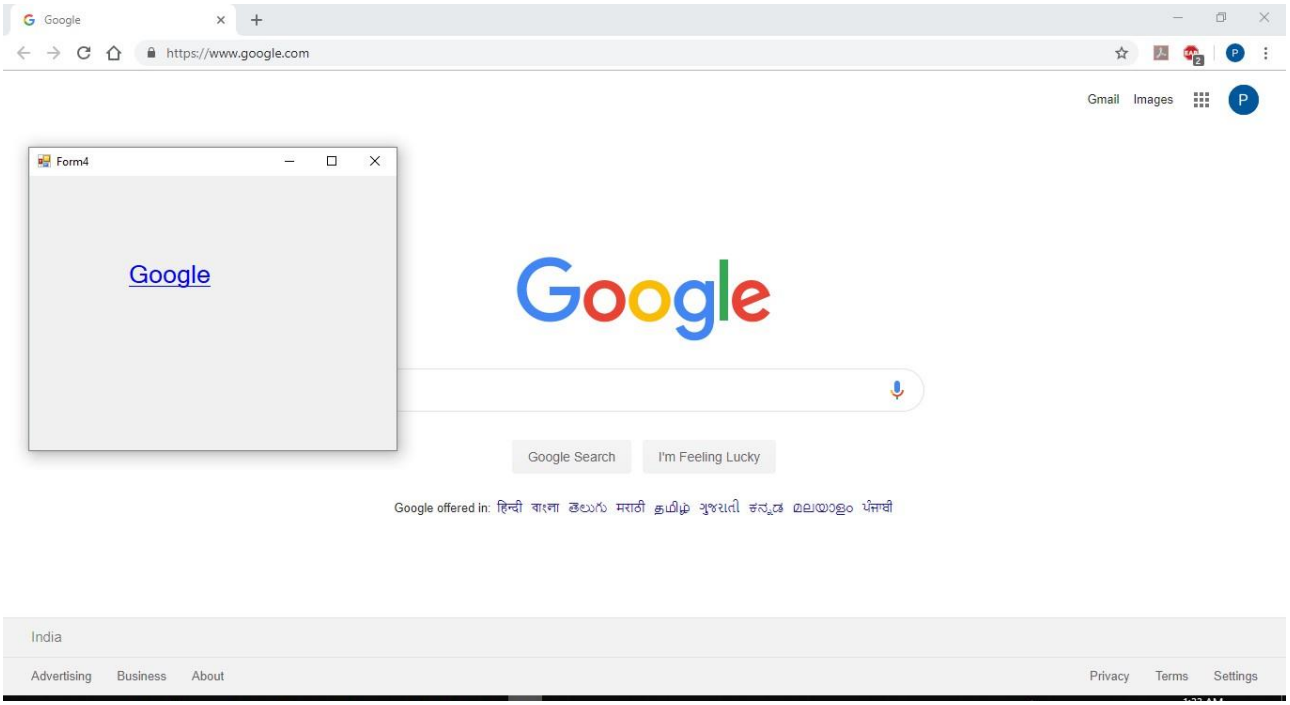
Source Code:

Linklable:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Diagnostics;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespacegroupbox
{
publicpartialclassForm4:Form
{
publicForm4()
{
InitializeComponent();
}

privatevoidlinkLabel1_LinkClicked(objectsender,
LinkLabelLinkClickedEventArgse)
{
Process.Start("www.google.com");
}
}
}
```

Output:


groupbox (Running) - Microsoft Visual Studio
Form4
Google
Autos
Call Stack
Ready
Publish


https://www.google.com
Gmail
Images
Form4
Google
Google Search
I'm Feeling Lucky
Google offered in: हिन्दी বাংলা తెలుగు मराठी தமிழ் ગુજરાતી ಕನ್ನಡ മലയാളം ਪੰਜਾਬੀ
India
Advertising
Business
About
Privacy
Terms
Settings

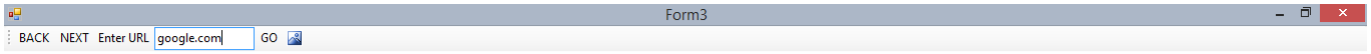
Practical No.: 1.8

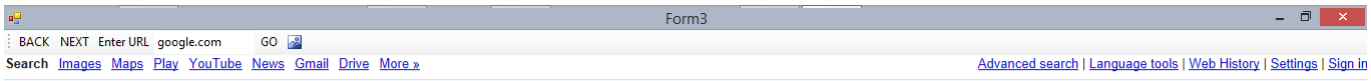
Aim: - Demonstrate the use of Tool Strip

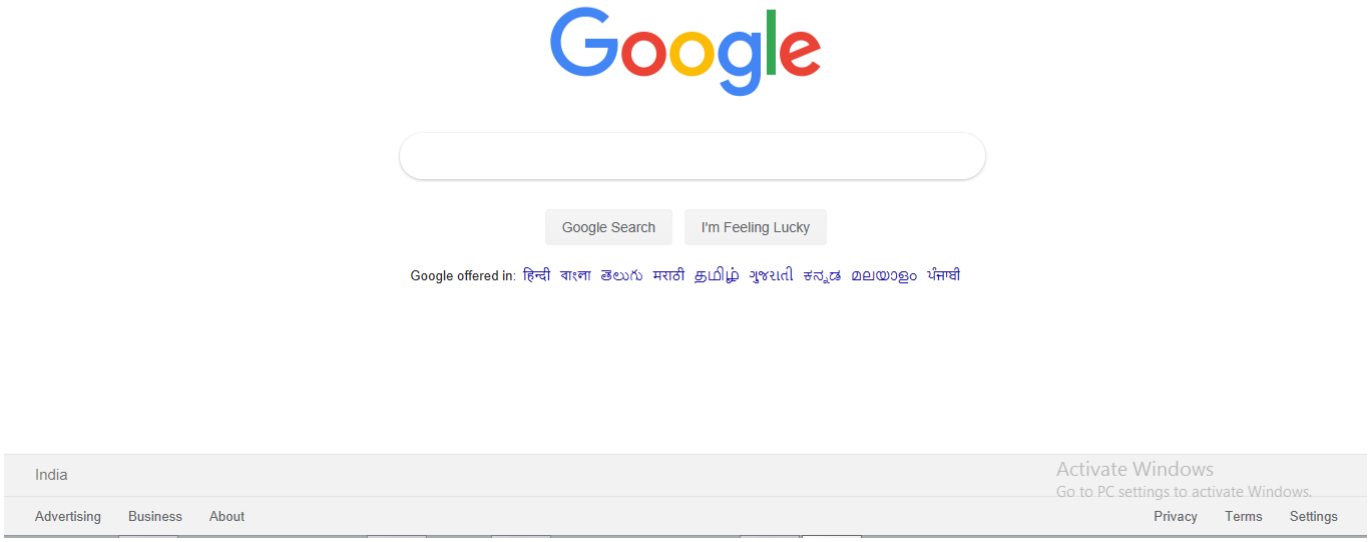
Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication1
{
publicpartialclassForm3:Form
{
publicForm3()
{
InitializeComponent();
}

privatevoidtoolStripTextBox1_Click(objectsender, EventArgse)
{

}

privatevoidtoolStripButton2_Click(objectsender,EventArgse)
{
webBrowser1.GoBack();
}

privatevoidtoolStripButton1_Click(objectsender,EventArgse)
{
webBrowser1.GoForward();
}

privatevoidtoolStripButton3_Click(objectsender,EventArgse)
{
webBrowser1.Navigate(toolStripTextBox1.Text);
}

privatevoidwebBrowser1_DocumentCompleted(objectsender,
WebBrowserDocumentCompletedEventArgse)
{

}
privatevoidtoolStrip1_ItemClicked(objectsender,
ToolStripItemClickedEventArgse)
{
}
}
}
```

Output:





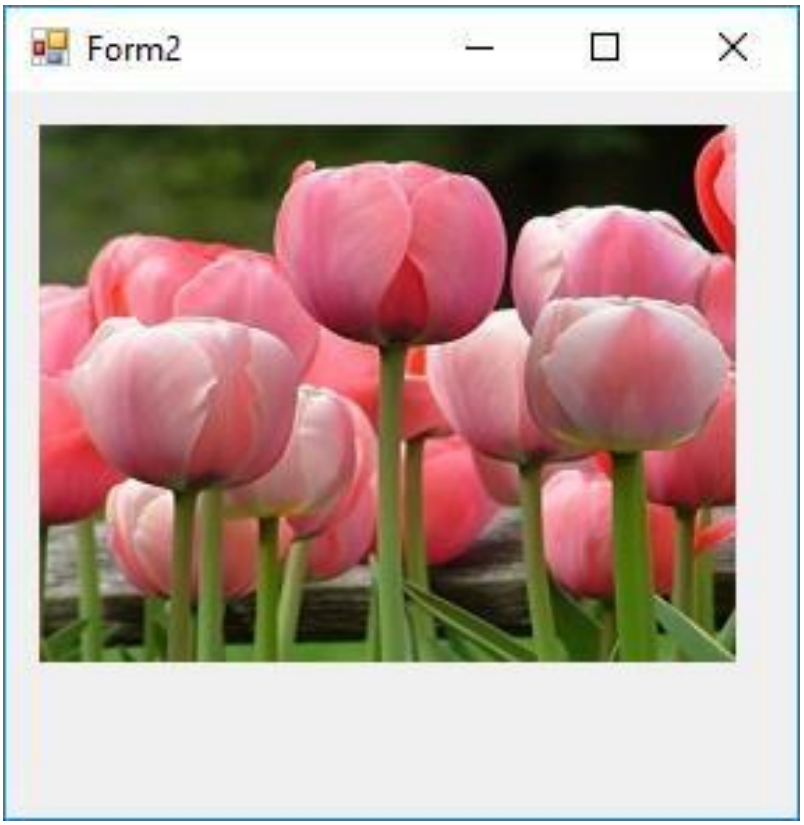


Aim: - Demonstrate the use of picture box.

Source Code:

```
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;
namespaceWindowsFormsApplication2
{
publicpartialclassForm2:Form
{
publicForm2()
{
InitializeComponent();
}
privatevoidForm2_Load(objectsender,EventArgse)
{
pictureBox1.Image=Image.FromFile("C:\\Users\\Nikita\\Desktop\\flower\\tulli
ps.jpg");
pictureBox1.SizeMode=PictureBoxSizeMode.StretchImage;
}
}
}
```

Output:

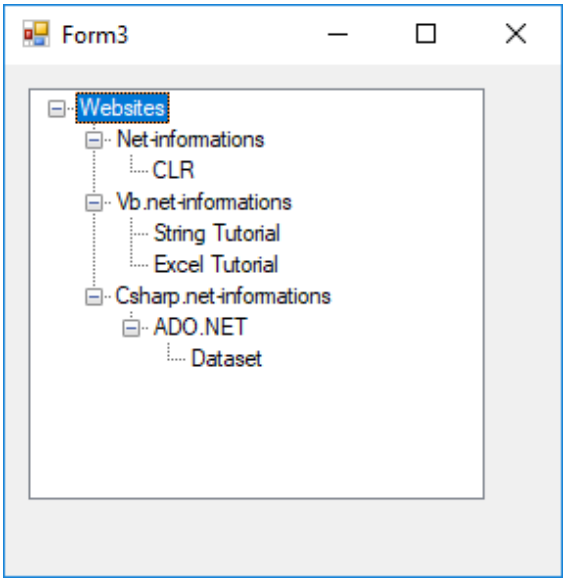


Aim: - Demonstrate the use of Tree-view.

Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication2
{
publicpartialclassForm3:Form
{
publicForm3()
{
InitializeComponent();
}

privatevoidForm3_Load(objectsender,EventArgse)
{
TreeNodetNode;
tNode=treeView1.Nodes.Add("Websites");

treeView1.Nodes[0].Nodes.Add("Net-informations");
treeView1.Nodes[0].Nodes[0].Nodes.Add("CLR");

                treeView1.Nodes[0].Nodes.Add("Vb.net-informations");
                treeView1.Nodes[0].Nodes[1].Nodes.Add("String
Tutorial");
                treeView1.Nodes[0].Nodes[1].Nodes.Add("ExcelTutorial");

                treeView1.Nodes[0].Nodes.Add("Csharp.net-informations");
                treeView1.Nodes[0].Nodes[2].Nodes.Add("ADO.NET");
                treeView1.Nodes[0].Nodes[2].Nodes[0].Nodes.Add("Dataset");
                }
                }
                }
```

Output:



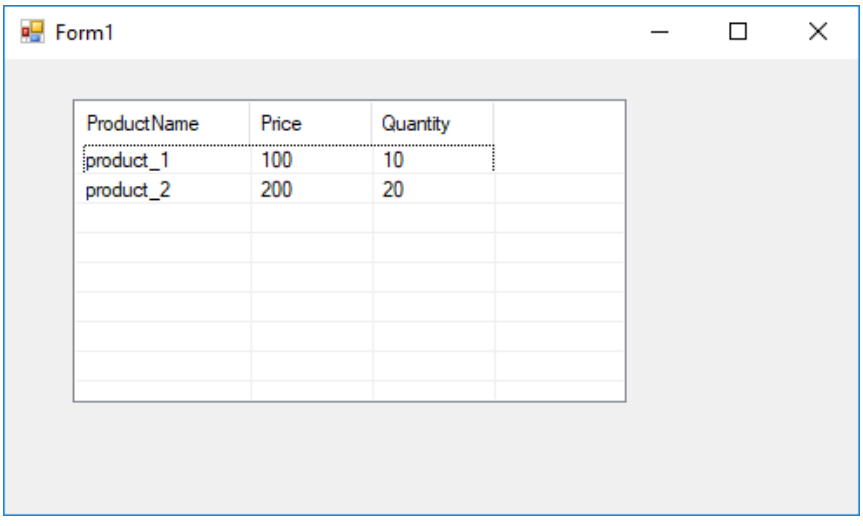
Practical No.: 1.9

Aim: - Demonstrate the use of listview.

Source Code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication2
{
publicpartialclassForm1:Form
{
publicForm1()
{
InitializeComponent();
}
privatevoidForm1_Load(objectsender,EventArgse)
{
listView1.View=View.Details; listView1.GridLines=true;
listView1.FullRowSelect=true; listView1.Columns.Add("ProductName",100);
listView1.Columns.Add("Price",70);
listView1.Columns.Add("Quantity",70);

string[]arr=newstring[4]; ListViewItemitm;

arr[0]="product_1"; arr[1]="100";
arr[2]="10";
itm=newListViewItem(arr); listView1.Items.Add(itm);

arr[0]="product_2"; arr[1]="200";
arr[2]="20";
itm=newListViewItem(arr); listView1.Items.Add(itm);
}
}
}
```

Output:



Aim: - Demonstrate the use of Image-list.

Source code:

```
usingSystem;
usingSystem.Collections.Generic;
usingSystem.ComponentModel;
usingSystem.Data;
usingSystem.Drawing;
usingSystem.Linq;
usingSystem.Text;
usingSystem.Threading.Tasks;
usingSystem.Windows.Forms;

namespaceWindowsFormsApplication2
{
publicpartialclassForm5:Form
{
publicForm5()
{
InitializeComponent();
}

privatevoidbutton1_Click(objectsender,EventArgse)
{
ImageListimageList1=newImageList();

imageList1.ImageSize=newSize(112,112); imageList1.Images.Add(

Image.FromFile("C:\\Users\\Nikita\\Desktop\\flower\\tullips.jpg"));
imageList1.Images.Add(

Image.FromFile("C:\\Users\\Nikita\\Desktop\\flower\\flower.jpg"));
GraphicstheGraphics=Graphics.FromHwnd(this.Handle);
            for(intcount=0;count<imageList1.Images.Count;
count++)
            {
            imageList1.Draw(theGraphics,newPoint(85,85),
count);

Applicati
on.DoEvent
s();
System.Th
reading.Th
read.Slee
p(1000);
}
}
}
}
```

Output: