Practical 10

Aim: Create an Explorer using Windows Forms in C#

#PROGRAM
```
using System.Windows.Forms;
using System.IO;
namespace WindowsFormsApplication17
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            if(folderBrowserDialog1.ShowDialog() == DialogResult.OK)
            {
                label1.Text = folderBrowserDialog1.SelectedPath;
                listBox1.Items.Clear();
                DirectoryInfo d = new DirectoryInfo(folderBrowserDialog1.SelectedPath);
                foreach(DirectoryInfo df in d.GetDirectories())
                {
                    listBox1.Items.Add(df.Name);
                    if (Directory.Exists(label1.Text+"\\"+df.Name))
                    {
                        TreeNode treenode = new TreeNode();
                        TreeNode node = new TreeNode("");
                        TreeNode[] array = new TreeNode[] { node };
                        treenode = new TreeNode(df.Name, array);
                        treeView1.Nodes.Add(treenode);
                    }
                    else
                    {
                        TreeNode treeNode = new TreeNode(df.Name);
                        treeView1.Nodes.Add(treeNode);
                    }
                }
                foreach (FileInfo ff in d.GetFiles())
                {
                    listBox1.Items.Add(ff.Name);
                }
            }
        }

        private void listBox1_SelectedIndexChanged(object sender, EventArgs e)
        {
            String p = label1.Text + "\\" + listBox1.GetItemText(listBox1.SelectedItem);
```

```csharp
            label1.Text = p;
            DirectoryInfo d = new DirectoryInfo(p);
            listBox1.Items.Clear();
        if(Directory.Exists(p))
          {
             foreach (DirectoryInfo df in d.GetDirectories())
               {
                  listBox1.Items.Add(df.Name);
               }
          }
        if(File.Exists(p))
          {
             foreach (FileInfo ff in d.GetFiles())
               {
                  listBox1.Items.Add(ff.Name);
               }
          }
        }
      }
}
```

#OUTPUT