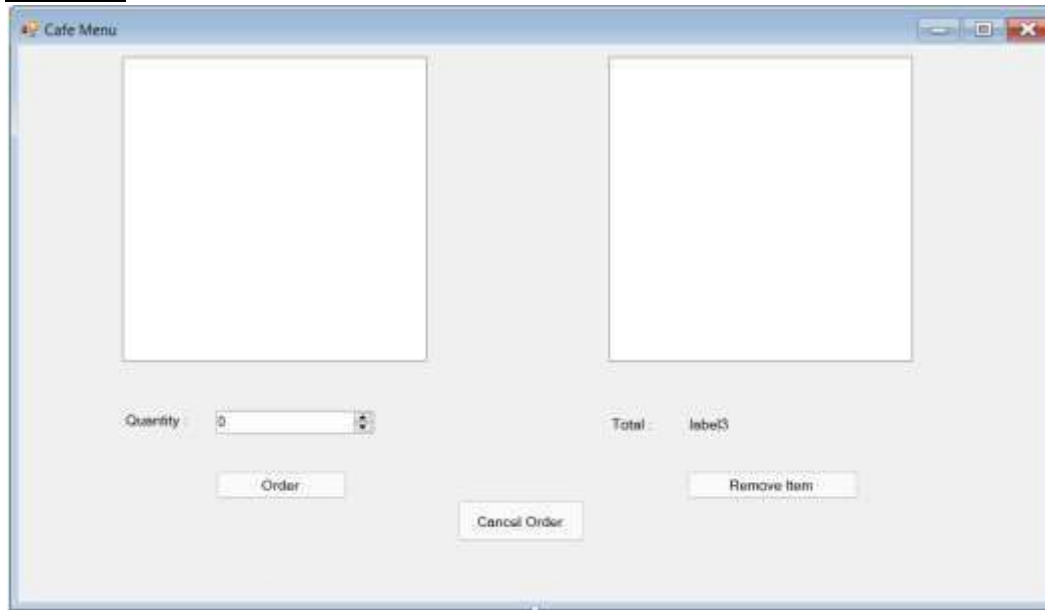


Practical-9

ListView: Create a windows Form for Cafe Menu using ListView.

Design:



Code:

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

namespace pract_9
{
    public partial class Form1 : Form
    {
        int total = 0, i = 0 ;

        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            string[] nm = new string[5];
            int[] pr = new int[5];

            listView1.Columns.Add("Name");
            listView1.Columns.Add("Price");
            listView1.View = View.Details;
            listView1.GridLines = true;
            listView2.Columns.Add("Name");
        }
    }
}
```

```
listView2.Columns.Add("Price");
listView2.Columns.Add("Quantity");
listView2.View = View.Details;
listView2.GridLines = true;

nm[0] = "Pakoda";
nm[1] = "Puff";
nm[2] = "Noodles";
nm[3] = "Coffee";
nm[4] = "Pizza";

pr[0] = 70;
pr[1] = 45;
pr[2] = 65;
pr[3] = 35;
pr[4] = 159;

for(int j = 0; j < 5; j++)
{
    add_iteams(nm[j], pr[j]);
}

private void button1_Click(object sender, EventArgs e)
{
    int p, q;
    string Name;
    p = int.Parse(listView1.SelectedItems[0].SubItems[1].Text);
    q = int.Parse(numericUpDown1.Text);
    Name = listView1.SelectedItems[0].Text;
    total += (p * q);
    listView2.Items.Add(Name);
    listView2.Items[i].SubItems.Add(p.ToString());
    listView2.Items[i].SubItems.Add(q.ToString());
    i++;
    label3.Text = total.ToString();
}

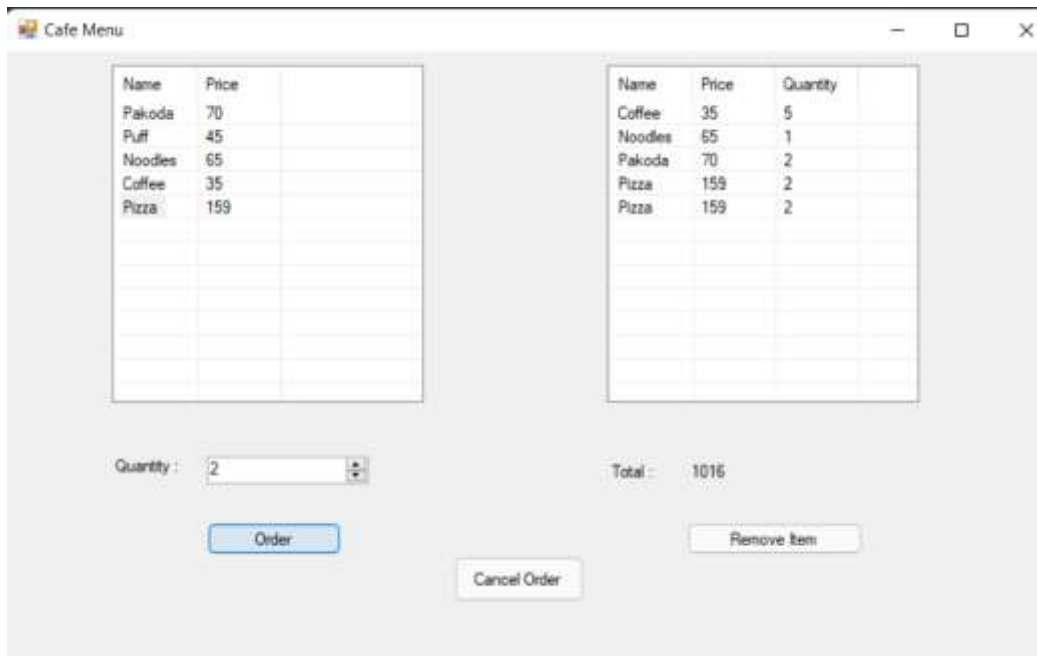
private void button2_Click(object sender, EventArgs e)
{
    listView2.Items.Clear();
    total = 0;
}

private void button3_Click(object sender, EventArgs e)
{
    int p =
int.Parse(listView2.SelectedItems[0].SubItems[1].Text);
    int q =
int.Parse(listView2.SelectedItems[0].SubItems[2].Text);

    total -= (p * q);
    listView2.Items.Remove(listView2.SelectedItems[0]);
    label3.Text = total.ToString();
}

private void add_iteams(string name,int p)
{
    ListViewItem l = new ListViewItem(name);
    l.SubItems.Add(p.ToString());
    listView1.Items.Add(l);
}
```

```
}  
}  
}
```

Output:**Order:**

Cafe Menu

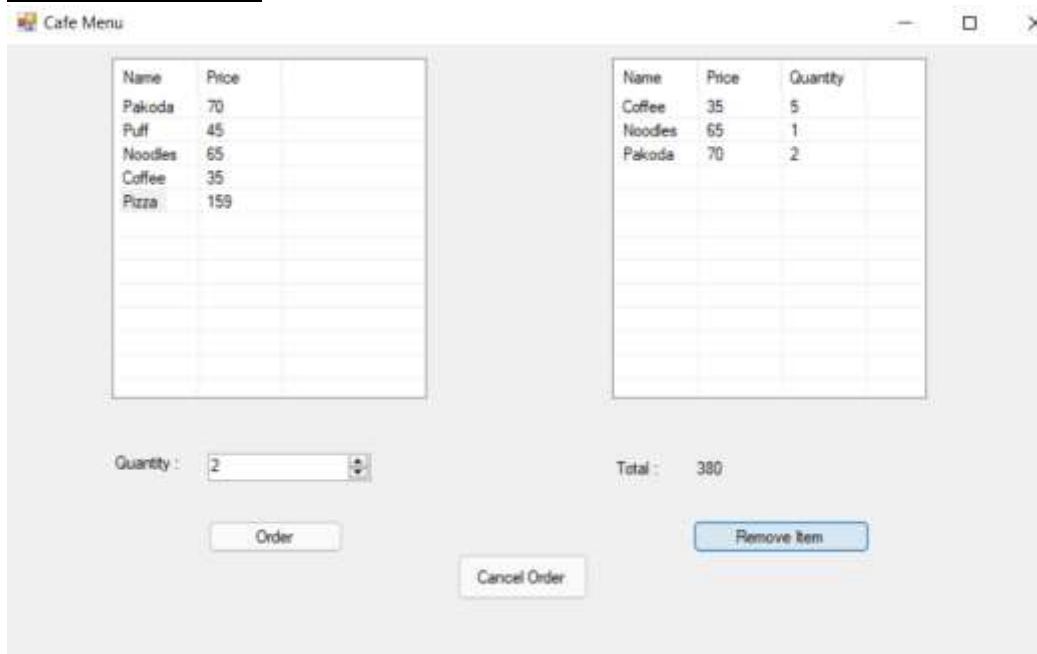
Name	Price
Pakoda	70
Puff	45
Noodles	65
Coffee	35
Pizza	159

Name	Price	Quantity
Coffee	35	5
Noodles	65	1
Pakoda	70	2
Pizza	159	2
Pizza	159	2

Quantity : 2

Total : 1016

Order Cancel Order Remove Item

Remove iteams:

Cafe Menu

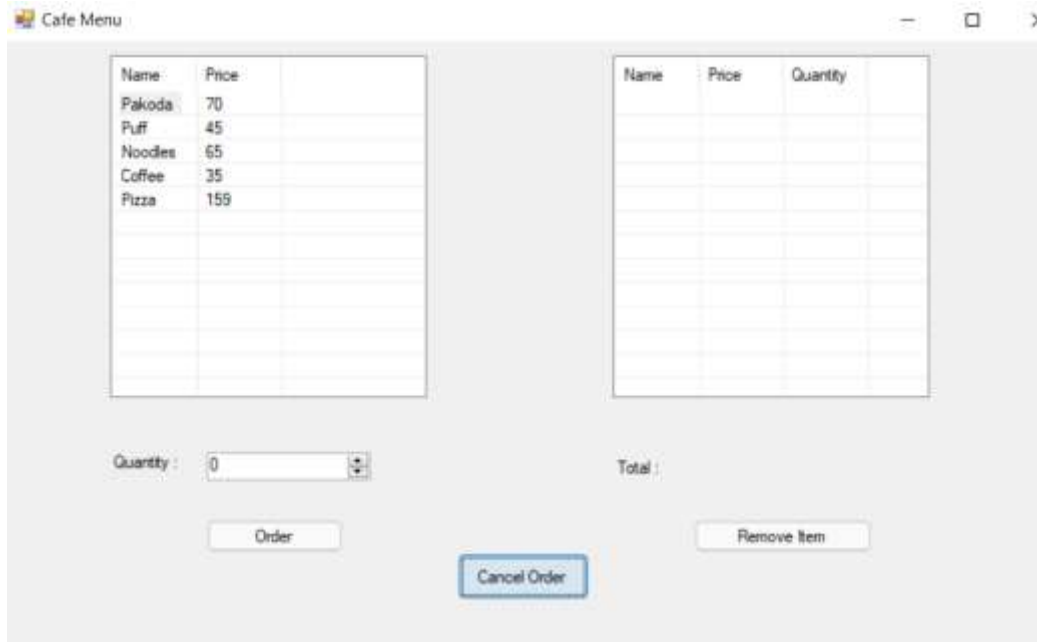
Name	Price
Pakoda	70
Puff	45
Noodles	65
Coffee	35
Pizza	159

Name	Price	Quantity
Coffee	35	5
Noodles	65	1
Pakoda	70	2

Quantity : 2

Total : 380

Order Cancel Order Remove Item

Cancel Order [Clear all iteams]:

The screenshot shows a window titled "Cafe Menu" with standard Windows window controls (minimize, maximize, close). The window is divided into two main sections. The left section contains a menu table with columns "Name" and "Price". The right section contains an order table with columns "Name", "Price", and "Quantity". Below the menu table is a "Quantity" input field with a spinner and a value of 0. Below the order table is a "Total" label. At the bottom of the window are three buttons: "Order", "Cancel Order", and "Remove Item".

Name	Price
Pakoda	70
Puff	45
Noodles	65
Coffee	35
Pizza	159

Quantity :

Total :

Name	Price	Quantity