



```

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 Assignment_Customers_DataTable
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            //create datatable

            DataTable dt=new DataTable("customers");

            private void button1_Click(object sender, EventArgs e)

```

```

{
    //create column
    DataColumn col1=new DataColumn("custid");
    col1.DataType = typeof(int);
    col1.Unique = true;
    col1.AllowDBNull=false;
    col1.Caption = "customers custid";
    //add the column to datatable
    dt.Columns.Add(col1);

    DataColumn col2 = new DataColumn("custname");
    col1.DataType = typeof(string);
    col1.Caption = "customers custname";
    dt.Columns.Add(col2);

    DataColumn col3 = new DataColumn("custaddr");
    col1.DataType = typeof(string);
    col1.Caption = "customers custaddress";
    dt.Columns.Add(col3);

    DataColumn col4 = new DataColumn("mobilenr");
    col1.DataType = typeof(long);
    col1.Caption = "customers mobilenr";
    dt.Columns.Add(col4);

    // create a new row
    DataRow row1 = dt.NewRow();
    row1["custid"] = 1;
    row1["custname"] = "rahul";

```

```
row1["custaddr"] = "mumbai";  
row1["mobilen0"] = 136547892;  
//adding row to datatable  
dt.Rows.Add(row1);
```

```
DataRow row2 = dt.NewRow();  
row2["custid"] = 2;  
row2["custname"] = "rakul";  
row2["custaddr"] = "mumbra";  
row2["mobilen0"] = 123547892;  
dt.Rows.Add(row2);
```

```
DataRow row3 = dt.NewRow();  
row3["custid"] = 3;  
row3["custname"] = "rahi";  
row3["custaddr"] = "pune";  
row3["mobilen0"] = 123654892;  
dt.Rows.Add(row3);
```

```
DataRow row4 = dt.NewRow();  
row4["custid"] = 4;  
row4["custname"] = "rakhi";  
row4["custaddr"] = "nagpur";  
row4["mobilen0"] = 12364782;  
dt.Rows.Add(row4);
```

```
DataRow row5 = dt.NewRow();  
row5["custid"] = 5;  
row5["custname"] = "rohit";
```

```

        row5["custaddr"] = "gondia";
        row5["mobilenno"] = 12654792;
        dt.Rows.Add(row5);

        MessageBox.Show("datatable created successfully");
    }

    private void button2_Click(object sender, EventArgs e)
    {
        StringBuilder sb=new StringBuilder();
        //iterating the datatable rows
        foreach (DataRow dr in dt.Rows)
        {
            sb.Append("customer id " + dr["custid"]+" "+"customer name "
            +dr["custname"]+" "+"customer address " +
            dr["custaddr"]
            +" "+"mobile no " + dr["mobilenno"]+"\n");
        }
        label1.Text = sb.ToString();
    }
}

```