Program 5

Pdf:

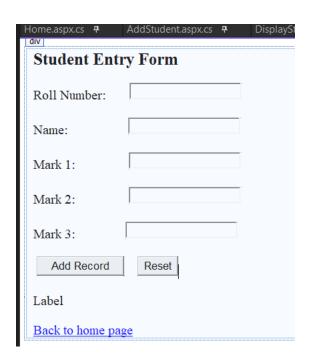https://s3-us-west-2.amazonaws.com/secure.notion-static.com/6099ce4a-71d1-469f-a804-70ac4defaf29/Program5.pdf

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Create a web application to perform student information system (Find total marks, grade, average).

Design / Structure:

- ***Home.aspx***

- ***AddStudent.aspx***

- *DisplayStudent.aspx*
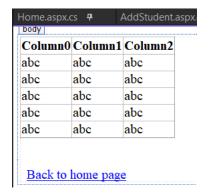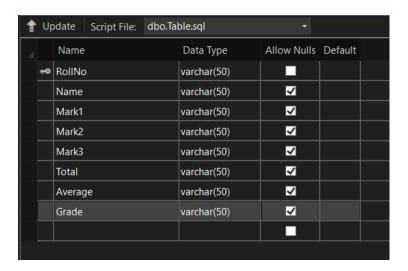

Table Structure:

Source Code:

- *Home.aspx.cs*

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace PartBFive
{
    public partial class Home : System.Web.UI.Page
    {
        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("AddStudent.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            Response.Redirect("DisplayStudent.aspx");
        }
```

```
            }
    }
}
```

- ***AddStudent.aspx.cs***

```csharp
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace PartBFive
{
    public partial class AddStudent : System.Web.UI.Page
    {
        protected void Button1_Click(object sender, EventArgs e)
        {
            SqlConnection con;
            SqlCommand com;
            String str, grade;
            int m1, m2, m3, total;
            float avg;
            m1 = Int32.Parse(TextBox3.Text);
            m2 = Int32.Parse(TextBox4.Text);
            m3 = Int32.Parse(TextBox5.Text);

            total = m1 + m2 + m3;
            avg = total / 3;

            if (m1 < 35 || m2 < 35 || m3 < 35)
                grade = "F";
            else if (avg > 90 && avg <= 100)
                grade = "A";
            else if (avg > 70 && avg <= 90)
                grade = "B";
            else if (avg > 50 && avg <= 70)
                grade = "C";
            else
                grade = "D";

            con = new SqlConnection(@"Data Source=vigneshs-pc\SQLEXPRESS;Initial Catalog=simpledb;Integrated Security=True");
            con.Open();

            try
            {
                str = "insert into StudentInfo values('" + TextBox1.Text + "', '" + TextBox2.Text + "', '" + m1 + "', '" + m2 + "', '"
                com = new SqlCommand(str, con);
                com.ExecuteNonQuery();
                con.Close();
                successLabel.Text = "Details saved successfully";
            }
            catch
            {
                successLabel.Text = "There is some error";
            }

            successLabel.Visible = true;
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            TextBox1.Text = "";
            TextBox2.Text = "";
            TextBox3.Text = "";
            TextBox4.Text = "";
            TextBox5.Text = "";
            successLabel.Text = "";
            successLabel.Visible = false;
        }

        protected void LinkButton1_Click(object sender, EventArgs e)
        {
            Response.Redirect("Home.aspx");
        }
```

```
        }
}
```

- **DisplayStudent.aspx.cs**

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace PartBFive
{
    public partial class DisplayStudent : System.Web.UI.Page
    {
        SqlConnection con;
        SqlCommand com;
        SqlDataAdapter oda;
        DataSet ds;
        protected void Page_Load(object sender, EventArgs e)
        {
            con = new SqlConnection(@"Data Source=vigneshs-pc\SQLEXPRESS;Initial Catalog=simpledb;Integrated Security=True");
            String str = "select * from StudentInfo";
            com = new SqlCommand(str, con);
            con.Open();
            oda = new SqlDataAdapter(com);
            ds = new DataSet();
            oda.Fill(ds, "StudentInfo");
            con.Close();
            GridView1.DataSource = ds;
            GridView1.DataBind();
        }

        protected void LinkButton1_Click(object sender, EventArgs e)
        {
            Response.Redirect("Home.aspx");
        }
    }
}
```

Output:

Student Information System

| Add Student | Display Student |

{output 1}

Student Entry Form

Roll Number: 8888

Name: Barry Allen

Mark 1:   100

Mark 2:   100

Mark 3:   99

[Add Record]   [Reset]

Details saved successfully

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{output 2}

RollNo	Name	Mark1	Mark2	Mark3	Total	Average	Grade
1234	Vignesh Sundrani	89	88	95	272	90	B
8841	Oliver Queen	99	99	99	297	99	A
8888	Barry Allen	100	100	99	299	99	A
88957	John Diggle	89	89	89	267	89	B
9986	Laurel Lance	85	85	85	255	85	B
9987	Felicity Smoak	100	100	100	300	100	A

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{output 3}