Read form control value from server side

- **TextBox :**

```
<asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>
string email = txtEmail.Text;
```

- **Label:**

```
<asp:Label ID="txtResult" runat="server"></ asp:Label>
 string result= txtResult.Text;
```

- **DropDownList**

```
<asp:DropDownList runat="server" id="ddlTest">
    <asp:ListItem text="Red" value="1"></asp:ListItem >
    <asp:ListItem text="Black" value="2"></asp:ListItem >
    <asp:ListItem text="Blue" value="3"></asp:ListItem >
    <asp:ListItem text="Green" value="4"></asp:ListItem >
    <asp:ListItem text="Yellow" value="5"></asp:ListItem >
</asp:DropDownList >
 string selectedText = ddlTest.SelectedItem.Text;
 string selectedValue = ddlTest.SelectedItem.Value;
```

- **Checkbox**

```
< asp:CheckBox ID="CheckBox2" runat="server" Text="J2EE"/>
var message = "" ;
    if (CheckBox1.Checked)
    {
       message = CheckBox1.Text+" ";
    }
```

- **RadioButton**

```
    <asp:RadioButton ID="RadioButton1" runat="server" Text="Male" GroupName="gender" />
    <asp:RadioButton ID="RadioButton2" runat="server" Text="Female" GroupName="gender" />
 string gender = "";
    if (RadioButton1.Checked)
    {
       gender = "Your gender is "+RadioButton1.Text;
    }
    else
gender = "Your gender is "+RadioButton2.Text;
```

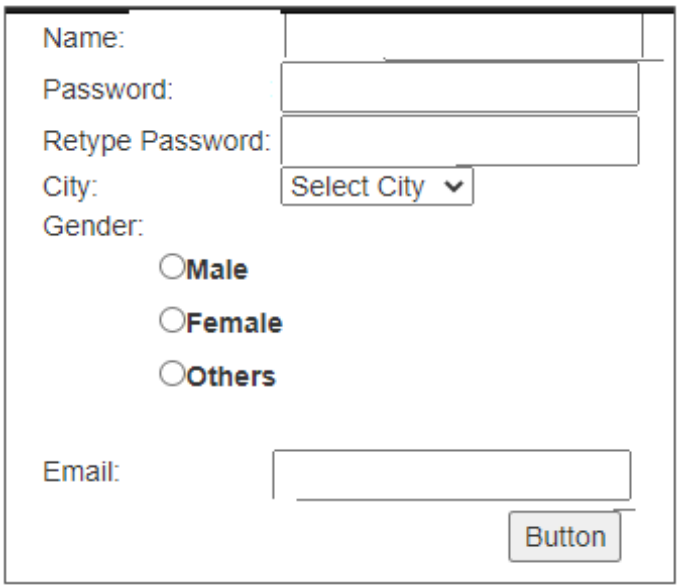
- **FileUpload**

```
Upload File: <asp:FileUpload ID="FileUpload1" runat="server" />
    if (FileUpload1.HasFile)
    {
       string filename = FileUpload1.FileName;
       string SaveLocation = Server.MapPath("upload/")  +  filename;
       FileUpload1.SaveAs(SaveLocation);
    }
```

- Write a program to create user registration form in one ASP.NET web page and display filled data in another page. [7]

HINTS: Use any one technique:-

- CrossPagePostback
- Context.Handler Object
- QueryStrings
- Cookies
- Session state
- Application state



- Write a program for handling exception in ASP.NET.

```
try {
        result = num1 / num2;
}
catch (DivideByZeroException e) {
        Console.WriteLine("Exception caught: {0}", e);
}
finally
{
        Console.WriteLine("Result: {0}", result);
}
```

- Write a C# program to show insert and select operation in database.

INSERT

```
//define database connection string
 String MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet";
//created the MySqlConnection object and pass connection string.
MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
 MyConn2.Open();
//create insert query
string Query = "insert into studentinfo(Name,Password,Email,City,Gender) values('Jeewan
Rai','password','jeewan.rai@hotmail.com','Kathmandu','Male');";
```

```
            //This is command class which will handle the query and connection object.
            MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
            MyCommand2.ExecuteReader();     // query will be executed.
            MyConn2.Close();
```

SELECT

```
            string MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet ";
            MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
            MyConn2.Open();
            //Display query
            string Query = "SELECT * FROM studentinfo;";

            MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
            // use  MySqlDataAdapter class.
            MySqlDataAdapter MyAdapter = new MySqlDataAdapter();
            MyAdapter.SelectCommand = MyCommand2;
            DataTable dTable = new DataTable();
            MyAdapter.Fill(dTable);
            GridView1.DataSource = dTable; // here i have assign dTable object to the dataGridView1
object to display data.
            GridView1.DataBind();
            MyConn2.Close();
```

- Write a program to select employees whose salary is greater than 20000 and whose address is kathmandu using LINQ.

```
var result = from emp in employees
    where emp.salary>20000 And emp.address="Kathmandu"
            select emp;
```

CRUD Operations in ASP.Net C# and MySQL Database

INSERT

```
using MySql.Data.MySqlClient;

private void button1_Click(object sender, EventArgs e)
{
    try
   {
      //define database connection string
       string MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet";

   // created the MySqlConnection object and pass connection string.
     MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
     MyConn2.Open();

     //create insert query
     string Query = "insert into studentinfo(idStudentInfo,Name,Father_Name,Age
,Semester) values('" +this.IdTextBox.Text+ "','" +this.NameTextBox.Text+ "','"
+this.FnameTextBox.Text+ "','" +this.AgeTextBox.Text+ "','" +this.SemesterTextB
ox.Text+ "');";

     //This is command class which will handle the query and connection object.

     MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
     MyCommand2.ExecuteReader();     // query will be executed.
     MyConn2.Close();
   }
   catch (Exception ex)
   {

   }
}
```

UPDATE

```
private void button2_Click(object sender, EventArgs e)
{
    try
    {
        string MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet
";
        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
        MyConn2.Open();

        string Query = "update studentinfo set idStudentInfo='" + this.IdTextBo
x.Text + "',Name='" + this.NameTextBox.Text + "',Father_Name='" + this.FnameTex
tBox.Text + "',Age='" + this.AgeTextBox.Text + "',Semester='" + this.SemesterTe
xtBox.Text + "' where idStudentInfo='" + this.IdTextBox.Text + "';";

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
```

```
            MyCommand2.ExecuteReader();

            MyConn2.Close();//Connection closed here
        }
        catch (Exception ex)
        {

        }
}
```

DELETE

```
private void button3_Click(object sender, EventArgs e)
{
    try
    {
        string MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet
";
        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
        MyConn2.Open();

        string Query = "delete from studentinfo where idStudentInfo='" + this.I
dTextBox.Text + "';";

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
        MyCommand2.ExecuteReader();

        MyConn2.Close();
    }
    catch (Exception ex)
    {

    }
}
```

DISPLAY

```
private void button4_Click(object sender, EventArgs e)
{
    try
    {
        string MyConnection2 = "server=localhost;Uid=root;Pwd=;database=dotnet
";
        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);
        MyConn2.Open();
        //Display query
        string Query = "select * from studentinfo;";

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);
```

```
        // use  MySqlDataAdapter class.
        MySqlDataAdapter MyAdapter = new MySqlDataAdapter();
        MyAdapter.SelectCommand = MyCommand2;
        DataTable dTable = new DataTable();
        MyAdapter.Fill(dTable);
        dataGridView1.DataSource = dTable; // here i have assign dTable object t
o the dataGridView1 object to display data.
          MyConn2.Close();
    }
   catch (Exception ex)
   {

    }
}
```

Connection Strings In Web.config File Using ASP.NET

After opening the web.config file in application, add sample db connection in connectionStrings section like this:

```
<connectionStrings>
    <add name="dbConnStr" connectionString="server=localhost;Uid=root;Pwd=;data
base=dotnet " providerName="System.Data.MySqlClient" />
</connectionStrings>
```

using System.Configuration;

This namespace is used to get configuration section details from web.config file.

```
using System.Configuration;

//Get connection string from web.config file
string strcon = ConfigurationManager.ConnectionStrings["dbConnStr"].ConnectionS
tring;
```