**Connection string:**

Making connection to database in C#:

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\Irfan Ullah\Documents\Visual Studio 2012\WebSites\MyBlog\App\_Data\blog\_db.mdf;Integrated Security=True");

**Inserting record into database table:**

if (con.State == ConnectionState.Closed)

{

con.Open();

String query = "INSERT INTO posts(post\_title,post\_description) VALUES('" + title + "','" + Description + "')";

SqlCommand com = new SqlCommand(query, con);

com.ExecuteNonQuery();

Response.Write("<script>alert('Post Published');</script>");

Response.Redirect("Default.aspx");

}

else

{

Response.Write("<script>alert('Error not close');</script>");

}

**Redirecting to another page:**

Response.Redirect("../AddPost.aspx");

**GridView:**

<asp:GridView CssClass="table table-hover table-condensed table-bordered table-responsive" ID="GridView1" runat="server" AllowPaging="True" AllowSorting="True" AutoGenerateColumns="False" DataSourceID="SqlDataSource1" OnRowUpdated="updateRowRecord" DataKeyNames="Id">

<Columns>

<asp:BoundField DataField="Id" HeaderText="Id" SortExpression="Id" InsertVisible="False" ReadOnly="True" Visible="false" />

<asp:BoundField DataField="post\_title" HeaderText="POST TITLE" SortExpression="post\_title" />

<asp:BoundField DataField="post\_description" HeaderText="DESCRIPTION" SortExpression="post\_description" />

<asp:BoundField DataField="post\_date" HeaderText="DATE" SortExpression="post\_date" />

<asp:CommandField ShowEditButton="true" />

<asp:CommandField ShowDeleteButton="true" />

</Columns>

</asp:GridView>

<asp:Button CssClass="btn btn-success" ID="btnAddRow" runat="server" OnClick="btnAddRow\_Click" Text="Add Row" />

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>"

SelectCommand="SELECT [Id], [post\_title], [post\_description], [post\_date] FROM [posts]"

UpdateCommand="UPDATE posts SET post\_title = @post\_title, post\_description = @post\_description WHERE Id = @Id"

DeleteCommand="DELETE FROM posts WHERE Id = @Id"

OnUpdating="SqlDataSource1\_Updating"

></asp:SqlDataSource>

**When OnRowUpdated event is occurred. The following method will be called.**

public void updateRowRecord(object sender, GridViewUpdatedEventArgs e)

{

Response.Write("<script>alert('Record Updated Successfully.');</script>");

}

The following are the different events that can be added to gridView

OnRowCancelEditing

OnRowCommand

OnRowCreate

OnRowDeleted

OnRowDataBound

OnRowDeleting

OnRowEditing

OnRowUpdating

OnSorting

OnSorted

OnLoad

**Fetching Records and saving to dataset and setting that dataset to GridView, ListView or Datalist.**

con.Open();

string pid = Request.QueryString["id"];

String query = "SELECT \* FROM posts WHERE Id = '"+pid+"'";

SqlDataAdapter da = new SqlDataAdapter(query, con);

DataSet ds = new DataSet();

da.Fill(ds);

DataList1.DataSource = ds;

DataList1.DataBind();

con.Close();

<asp:DataList ID="DataList1" runat="server">

<ItemTemplate>

<asp:Label ID="Label1" runat="server" Text='<%# Eval("Id") %>'></asp:Label>

<asp:Label ID="Label2" runat="server" Text='<%# Eval("post\_title") %>'></asp:Label>

<asp:Label ID="pd" runat="server" Text='<%# Eval("post\_description") %>'></asp:Label>

</ItemTemplate>

</asp:DataList>

**Sending and Getting the value of parameters passed from one page to another in link.**

NavigateUrl='<%# string.Format("ViewPost.aspx?id={0}", Eval("Id")) %>'

//the above tag should be included in ASP.NET HyperLink

<asp:HyperLink runat="server" NavigateUrl='<%# string.Format("ViewPost.aspx?id={0}", Eval("Id")) %>' ID="post\_title" ><%# Eval("post\_title") %></asp:HyperLink>

string pid = Request.QueryString["id"];

**Echoing/printing value in tags:**

<%# Eval("Id") %>

**SETTING SESSIONS:**

Session.Add("key", "this is session value");

**GETTING SESSION VALUE:**

string v = Session["key"].ToString();

**SQL DATA SOURCE COMMANDS**

SelectCommand="SELECT [Id], [post\_title], [post\_description], [post\_date] FROM [posts]"

UpdateCommand="UPDATE posts SET post\_title = @post\_title, post\_description = @post\_description WHERE Id = @Id"

DeleteCommand="DELETE FROM posts WHERE Id = @Id"

//post\_title, post\_description and post\_date are the database fields

In the update command @post\_title, @post\_description are pointing to TEXT FIELDS. When edit is clicked. So it will take values from the fields and the update command will be executed.