

## Introduction to database connection with sqlDatabaseServer

### Commands of data insert, delete, and update

```
protected void Page_Load(object sender, EventArgs e)
{
    SqlConnection cnn;
    String ConnectionString = @"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.
mdf";
    cnn = new SqlConnection(ConnectionString);
    cnn.Open();
    Response.Write("connection made");
    cnn.Close();
}
```

```
protected void insert_Click(object sender, EventArgs e)
{
    SqlConnection con;
    string a = @"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.
mdf";
    con = new SqlConnection(a);
    con.Open();
    string Query = "insert into [table](Rollno,name) values (@Rollno,@name)";
    using (SqlCommand cmd = new SqlCommand(Query, con))
    {
        cmd.Parameters.AddWithValue("@Rollno", TextBox1.Text);
        cmd.Parameters.AddWithValue("@name", TextBox2.Text);
        int rowsaffected = cmd.ExecuteNonQuery();
        Response.Write("Student registration Successfully!!!thank you");
        con.Close();
    }
}
```

```
protected void delete_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.
mdf");
    SqlCommand cmd = new SqlCommand(@"delete from[table]where [rollno]='
" + TextBox1.Text + "'", con);
    con.Open();
```

```

        cmd.ExecuteNonQuery();
        Response.Write("delete successfully");
        con.Close();
    }

    protected void update_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.
mdf");
        string q1 = "update [table] set rollno=@rollno , name=@name where
rollno=@rollno";
        SqlCommand cmd = new SqlCommand(q1, con);
        cmd.Parameters.AddWithValue("@rollno", TextBox1.Text);
        cmd.Parameters.AddWithValue("@name", TextBox2.Text);
        con.Open();
        int rd = cmd.ExecuteNonQuery();
        if (rd != 0)
        {
            Response.Write("record updated");
        }
        con.Close();
    }

    protected void search_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.
mdf");
        con.Open();
        SqlCommand cmd = new SqlCommand(@"select * from [table] where
[Rollno]='"+TextBox1.Text+"'", con);
        // cmd.Parameters.AddWithValue("@rollno", TextBox1.Text);
        //cmd.Parameters.AddWithValue("rollno", int.Parse(TextBox1.Text));
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        con.Close();
    }
}

```