

```
1 //using is a directive
2 //System is a name space
3 //name space is a collection of features that our needs to run
4 using System;
5 using System.Data.SqlClient; //needed for SQL commands and connections
6 //public means accessible anywhere
7 //partial means this class is split over multiple files
8 //class is a keyword and think of it as the outermost level of grouping
9 //:System.Web.UI.Page means our page inherits the features of a Page
10 public partial class _Default : System.Web.UI.Page
11 {
12     protected void Button1_Click(object sender, EventArgs e)
13     {
14         //make connection string
15         string connString = @"Data Source=DESKTOP-4L6NSGO\SQLEXPRESS;Initial
                                Catalog=People;Integrated Security=True;Connect
                                Timeout=15;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;Mu
                                ltiSubnetFailover=False";
16
17         string commandText = "Select * from dbo.People"; //this is the SQL that runs against
                                the table
18
19         //using statement here helps to ensure connection is properly disposed of here
20         using (SqlConnection conn = new SqlConnection(connString))
21         {
22             try
23             {
24                 conn.Open(); //open connection
25                 //make command object
26                 SqlCommand sqlComm = new SqlCommand(commandText, conn);
27                 //using here helps to ensure data reader is properly disposed of also
28                 using (SqlDataReader reader = sqlComm.ExecuteReader())
29                 {
30                     while(reader.Read()) //Read returns true while there are records to read
31                     {
32                         //reader[0] is column 1, and so on for the other two
33                         sampLabel.Text += "<br>{reader[0]}, {reader[1]}, {reader[2]}";
34                     }
35                 }
36             }
37             //a common exception occurs when the server is down and cannot be reached
38             catch(Exception ex)
39             {
40                 sampLabel.Text = "{ex.Message}";
41             }
42         }
43     }
44 }
45
46
47
```