

```
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; //commands and connections
6 using System.Data;
7 //public means accessible anywhere
8 //partial means this class is split over multiple files
9 //class is a keyword and think of it as the outermost level of grouping
10 //:System.Web.UI.Page means our page inherits the features of a Page
11 public partial class _Default : System.Web.UI.Page
12 {
13     protected void Button1_Click(object sender, EventArgs e)
14     {
15         sampLabel.Text = "";
16         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";
17         //put conn in a using so it can be properly closed and disposed of
18         using (SqlConnection conn = new SqlConnection(connString))
19         {
20             try
21             {
22                 SqlCommand cmd = new SqlCommand(); //make sql command
23                 cmd.CommandType = CommandType.StoredProcedure; //specify type
24                 cmd.CommandText = "AddNames"; //write name of stored procedure inside SQL
                                    Server as the name here
25                 cmd.Parameters.AddWithValue("@Name", TextBox1.Text); //read the field box 1,
                                    and pass in through @Name
26                 cmd.Parameters.AddWithValue("@DateAdded", DateTime.Parse(TextBox2.Text)); //
                                    pass in date through @DateAdded
27                 cmd.Connection = conn; //set connection property of command object
28                 conn.Open(); //open connection
29                 cmd.ExecuteNonQuery(); //execute the stored procedure
30                 cmd.CommandType = CommandType.Text; //change command type to just plain text
31                 cmd.CommandText = "select * from dbo.People"; //write a simple SQL select
                                    statement
32                 using (SqlDataReader reader = cmd.ExecuteReader()) //execute reader
33                 {
34                     while(reader.Read()) //Read() returns true while it can read
35                     {
36                         //reader[0] means get first column, reader uses an indexer to do this
37                         sampLabel.Text += $"<br>{reader[0]}, {reader[1]}, {reader[2]}";
38                     }
39                 }
40             }
41             catch(Exception ex)
42             {
43                 sampLabel.Text = $"{ex.Message}";
44             }
45         }
46     }
}
```

47 }

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