

# SQL Server Tutorial

## Part 100 - Send Datatable as Parameter to Stored Procedure

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<http://csharp-video-tutorials.blogspot.com>

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# In this session we will learn

- How to send datatable as parameter to stored procedure

**Link to Dot Net Basics, ASP.NET, C#, ADO.NET and SQL Server video series**

<http://www.youtube.com/user/kudvenkat/playlists>

## **Suggested Videos**

**Part 97 - SELECT INTO in SQL Server**

**Part 98 - Difference between where and having in sql server**

**Part 99 - Table Valued Parameters in SQL Server**

# Send DataTable as Parameter to SP

If you are in need of the DVD with all the videos and PPT's, please visit  
<http://pragimtech.com/order.aspx>

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Insert Employees

Retrieve the data from the WebForm into a DataTable and then pass the DataTable to the stored procedure.

# Send DataTable as Parameter to SP

```
protected void btnInsert_Click(object sender, EventArgs e)
{
    string cs = ConfigurationManager.ConnectionStrings["DBCS"].ConnectionString;
    using (SqlConnection con = new SqlConnection(cs))
    {
        SqlCommand cmd = new SqlCommand("spInsertEmployees", con);
        cmd.CommandType = CommandType.StoredProcedure;

        SqlParameter paramTVP = new SqlParameter()
        {
            ParameterName = "@EmpTableType",
            Value = GetEmployeeData()
        };
        cmd.Parameters.Add(paramTVP);

        con.Open();
        cmd.ExecuteNonQuery();
        con.Close();
    }
}
```

```
private DataTable GetEmployeeData()
{
    DataTable dt = new DataTable();
    dt.Columns.Add("Id");
    dt.Columns.Add("Name");
    dt.Columns.Add("Gender");

    dt.Rows.Add(txtId1.Text, txtName1.Text, txtGender1.Text);
    dt.Rows.Add(txtId2.Text, txtName2.Text, txtGender2.Text);
    dt.Rows.Add(txtId3.Text, txtName3.Text, txtGender3.Text);
    dt.Rows.Add(txtId4.Text, txtName4.Text, txtGender4.Text);
    dt.Rows.Add(txtId5.Text, txtName5.Text, txtGender5.Text);

    return dt;
}
```

# Additional Resources

## PRAGIM Home Page:

[www.PragimTech.com](http://www.PragimTech.com)

## Resources:

C#, ADO.NET, ASP.NET, SQL Server & MVC youtube Playlists

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