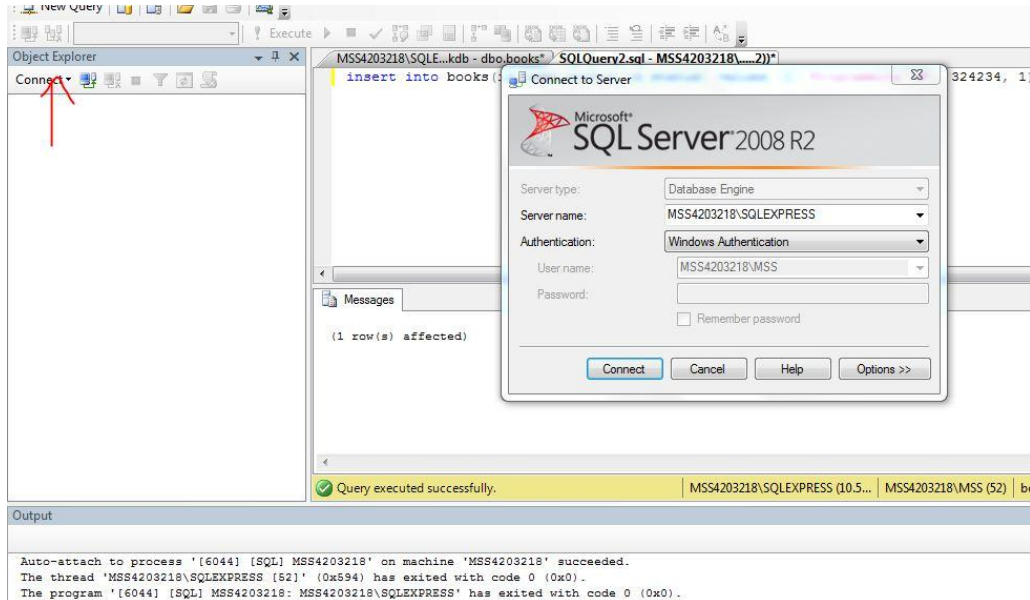
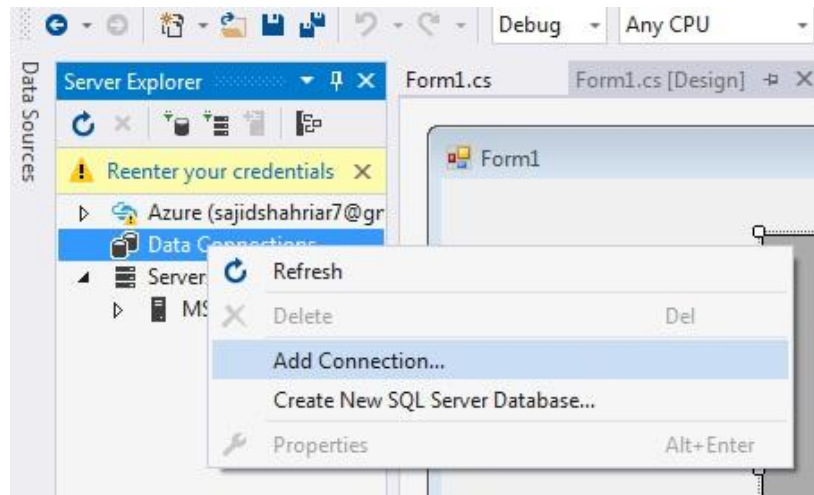


Database Connection

and showing data into a DataGridView





Add Connection

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:

Microsoft SQL Server (SqlClient)

Change...

Server name:

MSS4203218\SQLEXPRESS

Refresh

Log on to the server

Authentication: Windows Authentication

User name:

Password:

☐ Save my password

Connect to a database

☒ Select or enter a database name:

bookdb

☐ Attach a database file:

Browse...

Logical name:

Advanced...

Test Connection

OK

Cancel

```
using System.Data.SqlClient;
```

Should be added at the top

```
namespace DBPractice
```

```
{
```

```
    public partial class Form1 : Form
```

```
    {
```

```
        SqlConnection connection = new SqlConnection(@"Data Source=MSS4203218\SQLEXPRESS;Initial Catalog=bookdb;Integrated Security=True");
```

```
        public Form1()
```

```
        {
```

```
            InitializeComponent();
```

```
        }
```

```
        private void button1_Click(object sender, EventArgs e)
```

```
        {
```

```
            connection.Open();
```

```
            SqlCommand command = new SqlCommand("select * from books",connection);
```

```
            command.ExecuteNonQuery();
```

```
            DataTable dataTable = new DataTable();
```

```
            SqlDataAdapter adapter = new SqlDataAdapter(command);
```

```
            adapter.Fill(dataTable);
```

```
            dataGridView1.DataSource = dataTable;
```

```
            connection.Close();
```

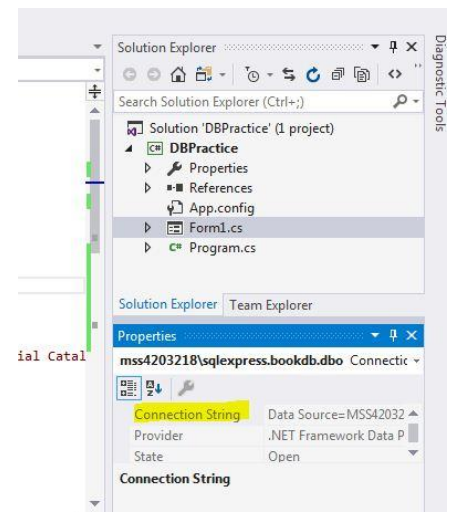
```
        }
```

```
    }
```

In between the Open and Close of the connection , write down the queries.

To show data to a DataGridView, these operations should be done.

Create a new connection using the string from Connection String property.



Must create a new SqlCommand object using the current connection.