Name :- Shriyash Rajput
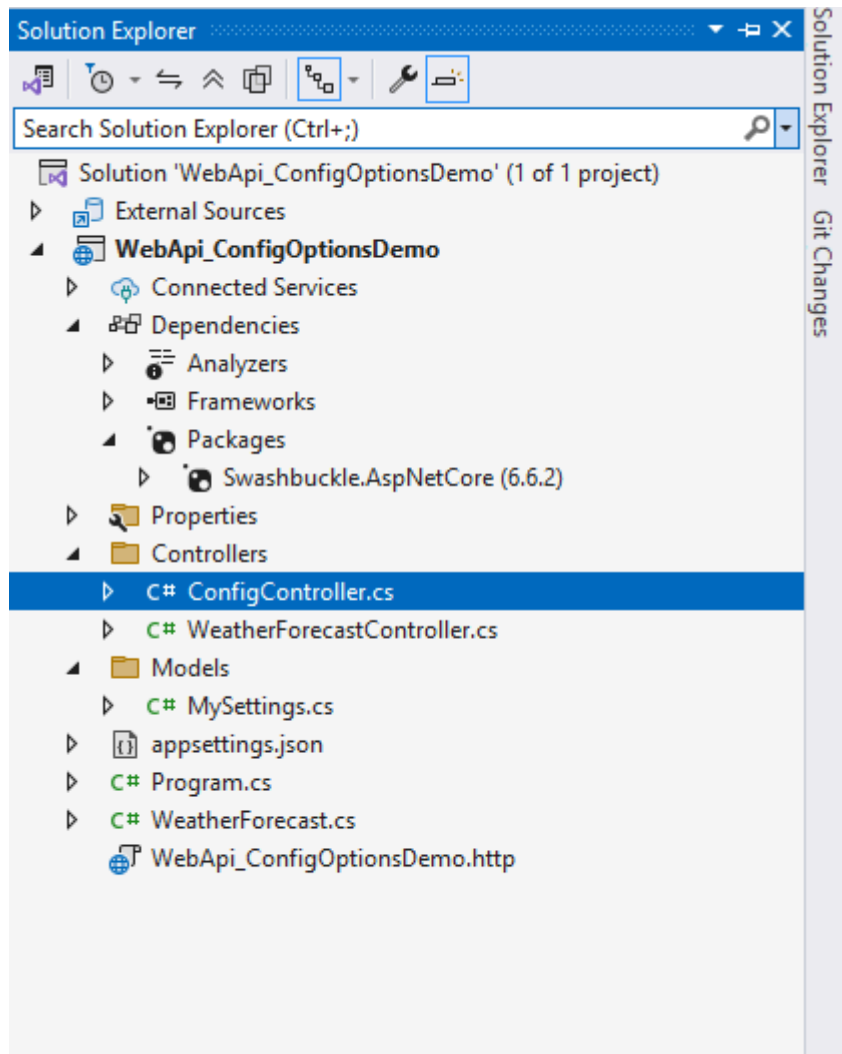
Github :- https://github.com/shriyash-dotnet-pune/WebApi_ConfigOptionsDemo

Screen Shots :-

```json
1   {
2     "Logging": {
3       "LogLevel": {
4         "Default": "Information",
5         "Microsoft.AspNetCore": "Warning"
6       }
7     },
8     "MySettings": {
9       "ApplicationName": "MyBankApp",
10      "Version": "1.2.3",
11      "MaxItems": 100
12    },
13    "AllowedHosts": "*"
14  }
15
```

```csharp
1   namespace WebApi_ConfigOptionsDemo.Models
2   {
        3 references
3       public class MySettings
4       {
            1 reference
5           public string ApplicationName { get; set; } = string.Empty;
            1 reference
6           public string Version { get; set; } = string.Empty;
            1 reference
7           public int MaxItems { get; set; }
8       }
9   }
10
```

Pretty-print ☑

```json
{
  "readManually": {
    "applicationName": "MyBankApp",
    "version": "1.2.3",
    "maxItems": 100
  },
  "readFromOptions": {
    "applicationName": "MyBankApp",
    "version": "1.2.3",
    "maxItems": 100
  }
}
```

Solution Explorer

Search Solution Explorer (Ctrl+;)

- Solution 'WebApi_ConfigOptionsDemo' (2 of 2 projects)
  - ▷ External Sources
  - ▲ **Console_SerilogCalculator**
    - ▷ Properties
    - ▷ References
    - App.config
    - packages.config
    - ▷ **Program.cs**
  - ▲ WebApi_ConfigOptionsDemo
    - ▷ Connected Services
    - ▲ Dependencies
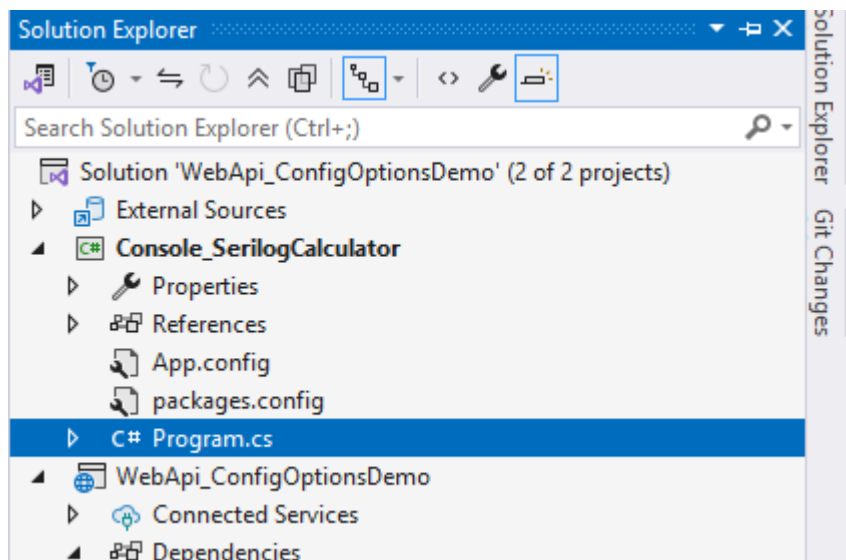
```
C:\Users\Shriyash.Rajput\sour

[18:05:56 INF] Calculator started.
Simple Calculator (type 'exit' to quit)
Enter first number: 10
[18:06:02 INF] User input for first number: 10
Enter operator (+, -, *, /): +
[18:06:08 INF] User input for operator: +
Enter second number: 20
[18:06:12 INF] User input for second number: 20
[18:06:12 INF] Operation performed: 10 + 20 = 30
Result: 30
Enter first number: 20
[18:06:17 INF] User input for first number: 20
Enter operator (+, -, *, /): /
[18:06:22 INF] User input for operator: /
Enter second number: 0
[18:06:24 INF] User input for second number: 0
[18:06:24 ERR] Exception while performing operation. Inputs: 20, /, 0
System.DivideByZeroException: Attempted to divide by zero.
   at Program.Divide(Double a, Double b) in C:\Users\Shriyash.Rajput\source\repos\WebApi_ConfigOptionsDemo\Console_SerilogCalculator\Program.cs:line 114
   at Program.Main(String[] args) in C:\Users\Shriyash.Rajput\source\repos\WebApi_ConfigOptionsDemo\Console_SerilogCalculator\Program.cs:line 77
Error: Attempted to divide by zero.
Enter first number: 10
[18:12:13 INF] User input for first number: 10
Enter operator (+, -, *, /): -
[18:12:14 INF] User input for operator: -
Enter second number: 20
[18:12:15 INF] User input for second number: 20
[18:12:15 INF] Operation performed: 10 - 20 = -10
Result: -10
```

```
Enter first number: 10
[18:12:20 INF] User input for first number: 10
Enter operator (+, -, *, /): *
[18:12:22 INF] User input for operator: *
Enter second number: 20
[18:12:24 INF] User input for second number: 20
[18:12:24 INF] Operation performed: 10 * 20 = 200
Result: 200
Enter first number: 10
[18:12:27 INF] User input for first number: 10
Enter operator (+, -, *, /): /
[18:12:28 INF] User input for operator: /
Enter second number: 20
[18:12:30 INF] User input for second number: 20
[18:12:30 INF] Operation performed: 10 / 20 = 0.5
Result: 0.5
Enter first number: |
```