

Lesson 05 Demo 02

Working with IIFEs and Functions

Objective: To implement IIFEs and functions

Tools required: Visual Studio Code

Prerequisites: NA

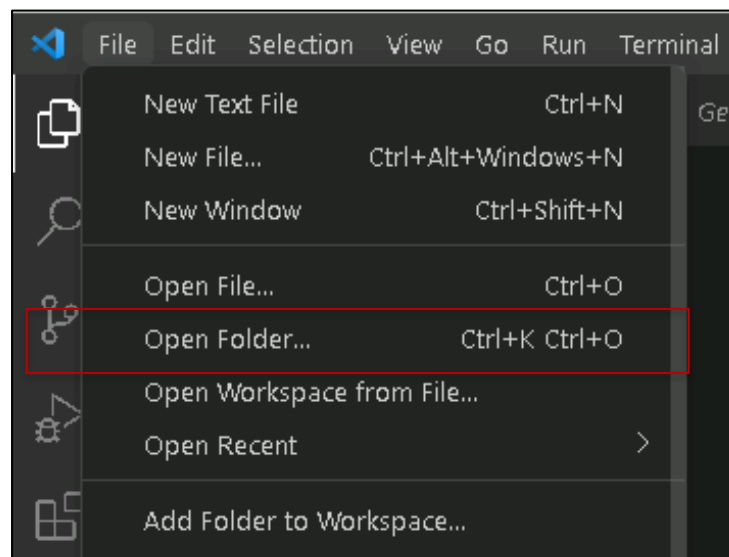
Steps to be followed:

1. Writing a JavaScript Program of IIFEs functions
2. Executing and verifying the working of IIFEs functions

Step 1: Implementing a JavaScript Program of IIFEs functions:

Note: Create a folder named **src** folder for the project.

1.1 Open Visual Studio Code and right click on the **File** menu of the code editor and select **Open Folder** option:



1.2 Right click on the **src** folder of the project and select **New File** and enter the filename as **index.html**

1.3 Write the code shown below in the **index.html**:

```
<html>
  <body>
    <h1>MEAN Stack</h1>
    <p> IIFEs Function Demo </p>
    <script src="IIFEs_Functions.js"></script>
  </body>
</html>
```



```
src > index.html > ...
1  <html>
2    <body>
3      <h1>MEAN Stack</h1>
4      <p> IIFEs Function Demo </p>
5
6      <script src="IIFEs_Functions.js"></script>
7
8    </body>
9  </html>
10
11
```

1.4 Right click on the **src** folder of the project, select **New File** option, and enter the filename as **IIFEs_Functions.js** and write the code shown below:

```
//Function as an argument
console.log("\n Functions as an argument demo");
var add = (a, b) => {
  return a+b;
}

var subtract = (a, b) => {
  return a-b;
}

var data = (func) => {
```

```
// get data from user or other external source
var num1 = 10;
var num2 = 20;
return func(num1, num2);
}

console.log(data(add));
console.log(data(subtract));

//Funtions returning Functions
console.log("\n Functions returning Function demo");
const multi = (integer) => (anotherInteger) => integer * anotherInteger;
const div = (integer) => (anotherInteger) => integer / anotherInteger;

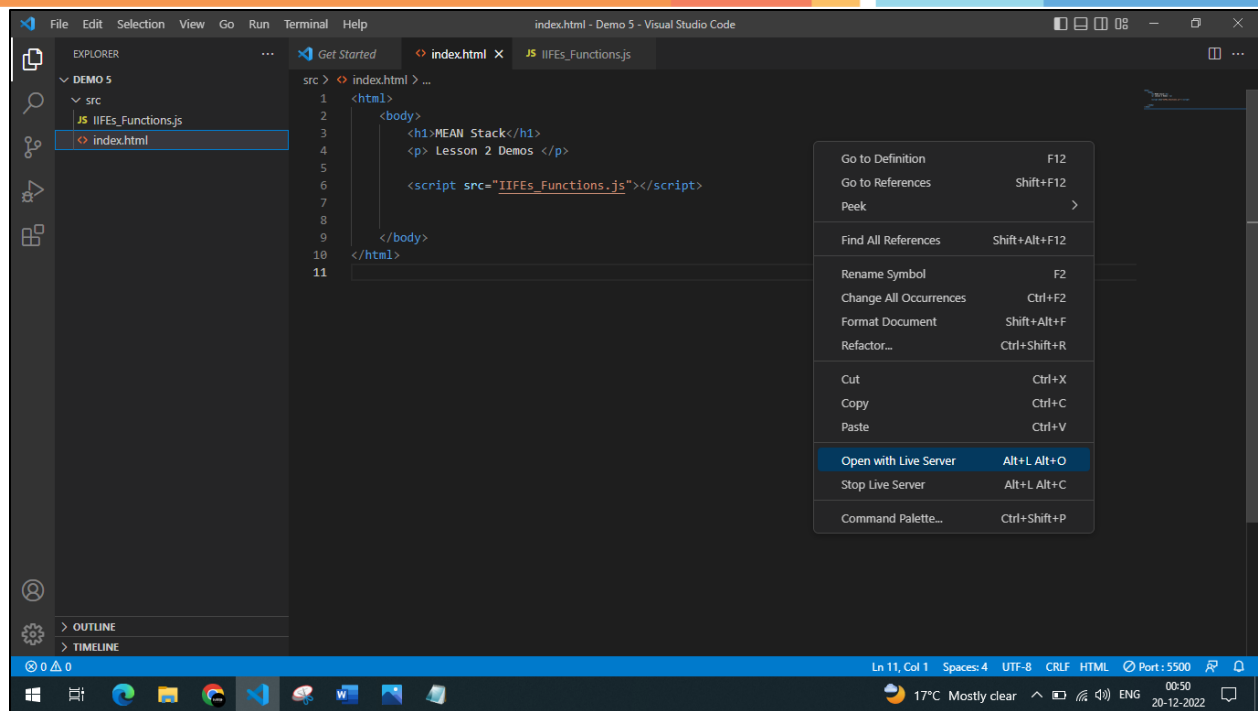
const result1 = multi(10)(50);
const result2 = div(25)(5);

console.log(result1);
console.log(result2);
```

1.5 Save the files.

Step 2: Executing and verifying the working of IIFEs functions:

2.1 Right click on the **index.html** file of the project and select **Open with Live Server**



2.2 When the server starts running, right click and select **Inspect Element** option. Click on **Console** tab.

