2.3 Working with Functions

This section will guide you to:

* Create a JavaScript project in your IDE
* Write a program in JavaScript to implement functions

This lab has three subsections, namely:

2.3.1 Writing a program in JavaScript to verify implementation of functions

2.3.2 Executing the program and verifying implementation of functions

2.3.3 Pushing the code to your GitHub repositories

**Step 2.3.1:** Writing a program in JavaScript to verify implementation of functions

* Open Visual Studio Code
* *[Right click]* on the **src** folder of the project
* Select *New File* -> Enter the filename as **index.html**
* Write the code shown below resolving the warning and errors due compatibility-related issues

<html>

<body>

<h1>MEAN Stack</h1>

<p> Lesson 2 Demos </p>

<script src="function.js"></script>

</body>

</html>

* *[Right click]* on the **src** folder of the project
* Select *New File* -> Enter the filename as **function.js**
* Execute the code below resolving the warning and errors due compatibility-related issues

var x = (2 \* 3) + 5;

var y = 3 \* 4;

var result = myFunction(2,3);

console.log(result);

function myFunction(num1, num2) {

var a = num1 \* num2;

var b = num1 + num2;

return(a + b);

}

console.log( myFunction(3, 4));

function toCelcius(f){

return (5/9) \* (f-32);

}

console.log("The temperature is "+ toCelcius(60));

**Step 2.3.2:** Executing the program and verifying implementation of functions

Before you execute the program, check for syntactical corrections. If no errors are found, follow the steps mentioned below:

* Go to Extensions and download **Live Server**
* *[Right click]* on the **index.html** file of the project
* Select *Open with Live Server*
* Right click when the server starts running. Select *Inspect Element*.Click on **Console**

**Output:**

11

19

"The temperature is 15.555555555555557"

**Step 2.3.3:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add . 

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master