

Lesson 11 Demo 11

Running Mocha in Browser

Objective: To run the Mocha testing file on the browser for interactive and visual testing

Tools Required: Visual Studio

Prerequisites: Knowledge of HTML, CSS, JavaScript, and Mocha testing module

Steps to be followed:

- 1. Create the project structure in VS Code and an index.html file
- 2. Add an external third-party Mocha and Chai library

Step 1: Create the project structure in VS Code and an index.html file

1.1 Run the below code to create a working directory to hold the application: mkdir mochawithbrowser cd mochawithbrowser

```
1: labuser@ubuntu2204: ~/Desktop/mochawithbrowser

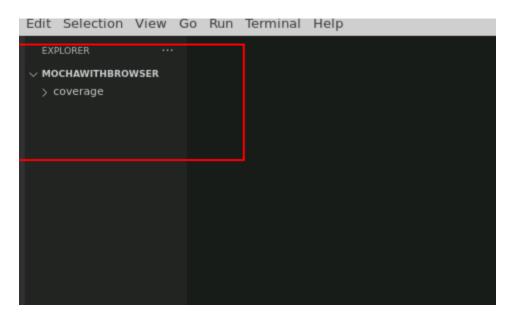
labuser@ubuntu2204: ~/Desktop$ mkdir mochawithbrowser

labuser@ubuntu2204: ~/Desktop$ cd mochawithbrowser

labuser@ubuntu2204: ~/Desktop/mochawithbrowser$
```



1.2 Open the folder in VS Code IDE



1.3 Create an index.html file and add the code as shown below:



1.4 Create a demo.js file, which contains JavaScript code

```
overage > Js demo.js > ⊕ sayHello

function sayHello(name)

return "Welcome to Mocha testing user "+name;

}
```

Step 2: Add an external third-party Mocha and Chai library

2.1 Add CSS file

```
<link
    rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/mocha/3.1.0/mocha.min.css"
/>
```

2.2 Add external Mocha and Chai library

```
<!-- mocha (test runner) -->
    <script
    src="https://cdnjs.cloudflare.com/ajax/libs/mocha/3.1.0/mocha.min.js"></script>

<!-- chai (assertion library) -->
    <script
    src="https://cdnjs.cloudflare.com/ajax/libs/chai/3.5.0/chai.min.js"></script>
```

2.3 Add the container

```
<!-- container that will display test results --> 
<div id="mocha"></div>
```



- 2.4 Include external demo.js file in the index.html page
- <!-- You can load the test from source file or write the code-->

```
<script src="demo.js"></script>
```

2.5 Add the script mocha code to test it



2.6 Verify the final index.html page

2.7 Run the index.html page on the browser



By following these steps, you have successfully set up a project to run Mocha tests in the browser, enabling interactive and visual testing for improved development and debugging experiences.