Full Stack Application Development with Cloud Computing

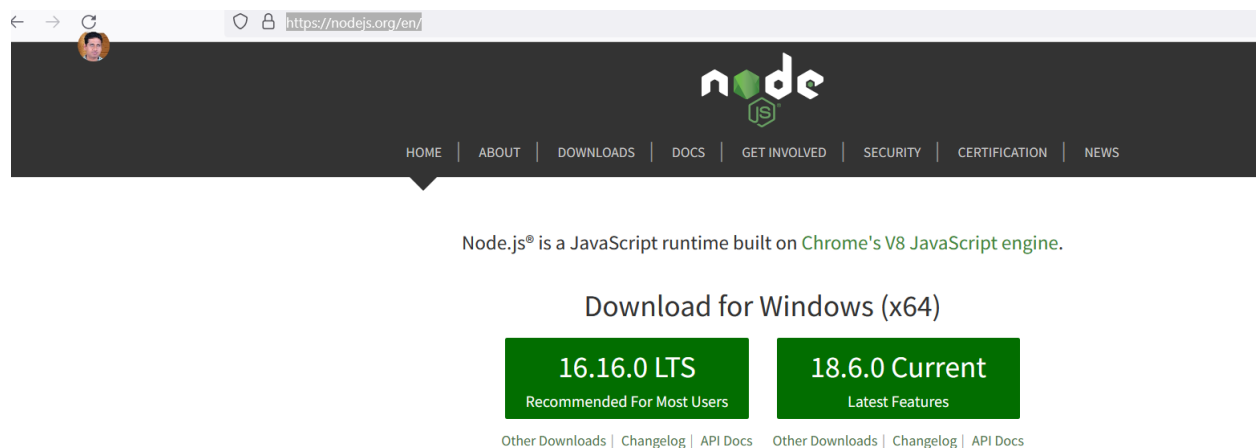## Module 2 – Front-End Development Tools, Technologies and Frameworks

Lab - 1

Unit 5 – Building Responsive Web Applications
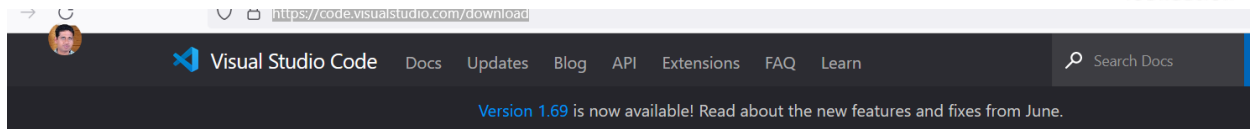
Topic – Web Applications

Ex. 1: To create simple webpage to display a message

Set up the environment for react app development
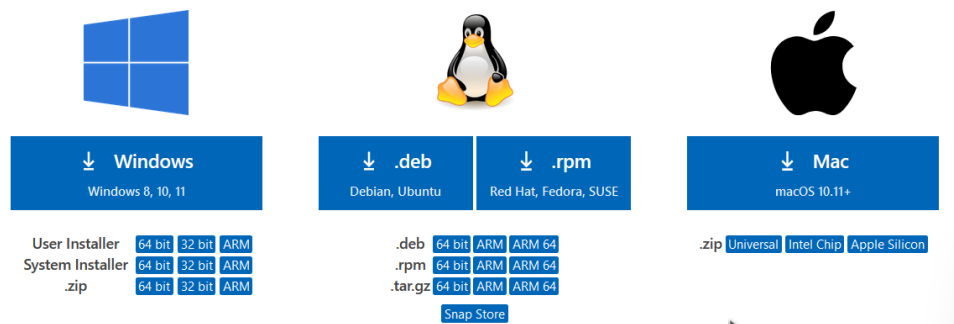
Step1: install nodejs from https://nodejs.org/en/

Step 2: Install VSCode or any other editor (https://code.visualstudio.com/download)

Step 3: Create a new folder

Step 4: open command prompt and execute following command

npx create-react-app my-app

Then change the current directory using the following commad

cd my-app

To open the code in VScode use the following command:

code .

Include the following code in **App.js**

```
import './App.css';
```

```jsx
function App() {
  return (
    <div className="App">
      <header className="App-header">
        <h1>Welcome to My Simple Web Page</h1>
      </header>
      <div className="App-container">
        <h2>About Me</h2>
        <p>This is a simple web page created using React.</p>
        <p>I'm excited to learn more about web development!</p>
      </div>
      <footer className="App-footer">
        <p>&copy; {new Date().getFullYear()} My Simple Web Page</p>
      </footer>
    </div>
  );
}

export default App;
```

Include the following code in **App.css**

```css
.App {
  text-align: center;
}

.App-header {
  background-color: #333;
  color: white;
  padding: 1rem;
}

.App-container {
  max-width: 800px;
  margin: 0 auto;
  padding: 2rem;
  background-color: white;
  box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
  border-radius: 5px;
}

.App-footer {
  text-align: center;
```

```
  padding: 1rem;
}
```

Then enter the following command in the command prompt to view the website

npm start

OUTPUT

Practice Question

Ex. 2: To create a simple webpage to display the details of a session on React