UCS1601---Internet Programming Assignment – 5

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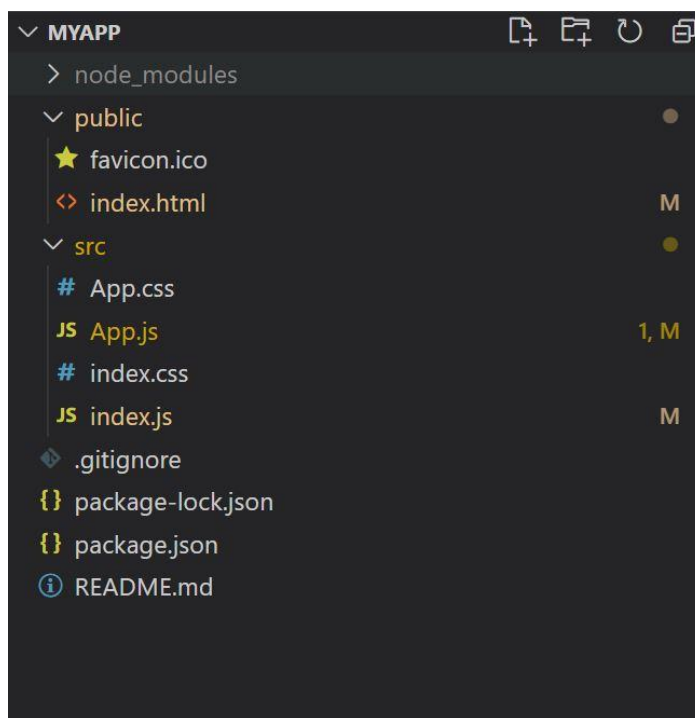*CSE-C*

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Aim:

- Install Node.js.
- Execute a simple react code which renders a React Element.

Directory Structure:

Code:

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>My React App</title>
    <link rel="stylesheet" href="../src/index.css">
  </head>
  <body>
    <div id="root1" class="App-header"></div>
    <div id="root2"></div>
  </body>
</html>
```

index.js

```js
import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';


const time = (
  <div className="App-link">
    <h2>{new Date().toLocaleTimeString()}</h2>
  </div>
);

const component = React.createElement("section" , {className: "react-
elements"},
React.createElement("h2",null,"IP ASSIGNMENT 5"))

ReactDOM.render(component,
  document.getElementById('root1')
);

ReactDOM.render(<div className="App">
  <header className="App-header">
      Hello World!
      <h1>{time}</h1>
  </header>
</div>,document.getElementById('root2'))
```
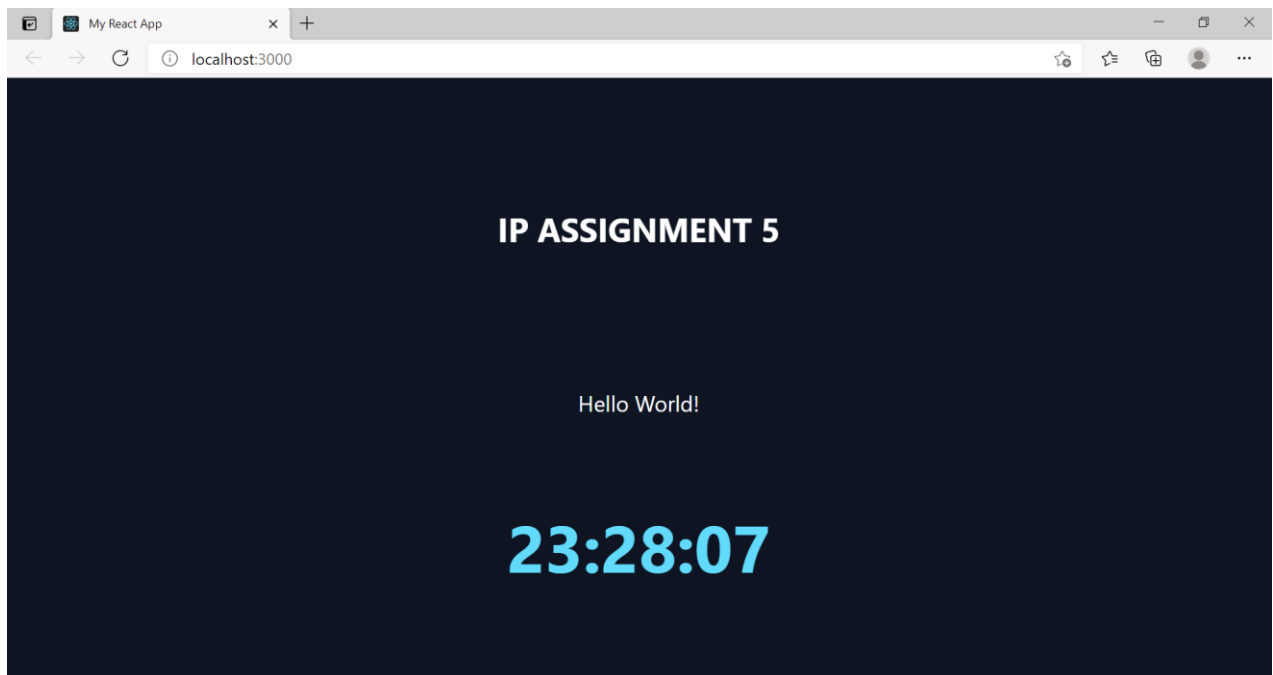
index.css

```css
body {
  margin: 0;
  font-family: -apple-
system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
    'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
    sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}

code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
    monospace;
}

.App-header {
  background-color: #0e1422;
  min-height: 50vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
}

h1 {
  color: #61dafb;
}
```

Outputs:

Create React App:

Running the React App

```
Admin@DESKTOP-1883PSF MINGW64 ~/OneDrive/Desktop/Semester VI/Courses/IP/Assignments/Assignment 5/myapp (master)
$ npm start

> myapp@0.1.0 start C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp
> react-scripts start
```

```
We suggest that you begin by typing:

  cd myapp
  npm start

Happy hacking!

Compiled successfully!

You can now view myapp in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.1.7:3000

Note that the development build is not optimized.
To create a production build, use npm run build.
```