

# UCS1601---Internet Programming Assignment – 5

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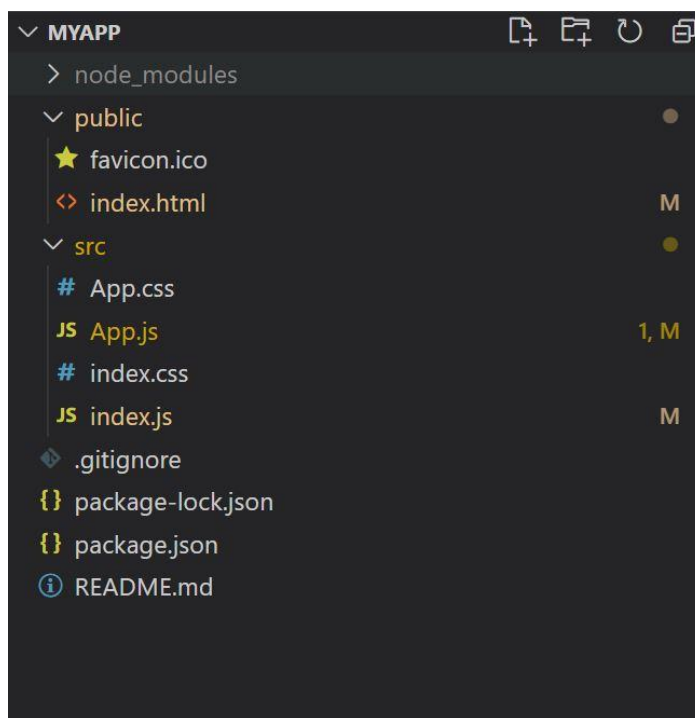
**CSE-C**

**185001183**

## **Aim:**

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

## **Directory Structure:**



## Code:

### index.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

```
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

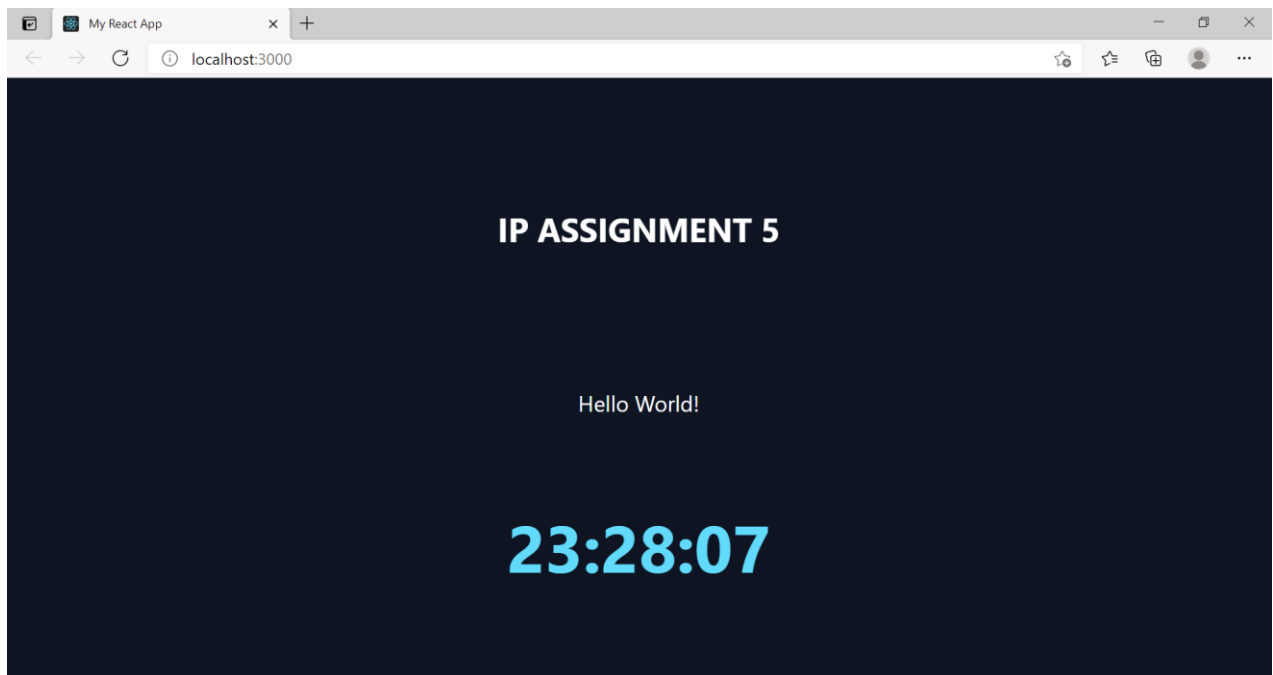
```
body {
  margin: 0;
  font-family: -apple-
system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
  'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
  sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}

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:

```
MINGW64/c/Users/Admin/OneDrive/Desktop/Semester VI/Courses/IP/Assignments/Assignment 5
Admin@DESKTOP-1883PSF MINGW64 ~/OneDrive/Desktop/Semester VI/Courses/IP/Assignments/Assignment 5
$ npx create-react-app myapp

Creating a new React app in C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

> core-js@2.6.12 postinstall C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.10.0 postinstall C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.10.0 postinstall C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp\node_modules\core-js-pure
> node -e "try{require('./postinstall')}catch(e){}"

> ejs@2.7.4 postinstall C:\Users\Admin\OneDrive\Desktop\Semester VI\Courses\IP\Assignments\Assignment 5\myapp\node_modules\ejs
> node ./postinstall.js

+ react-scripts@4.0.3
+ cra-template@1.1.2
```

## 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`.