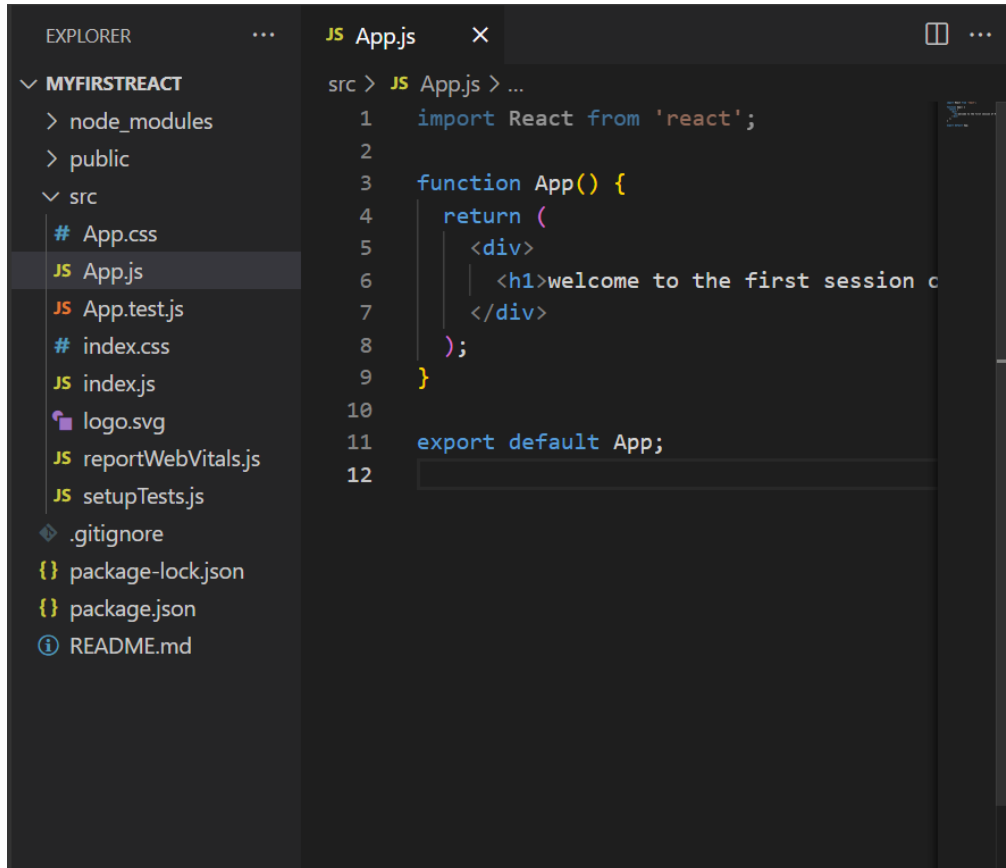


# WEEK 5

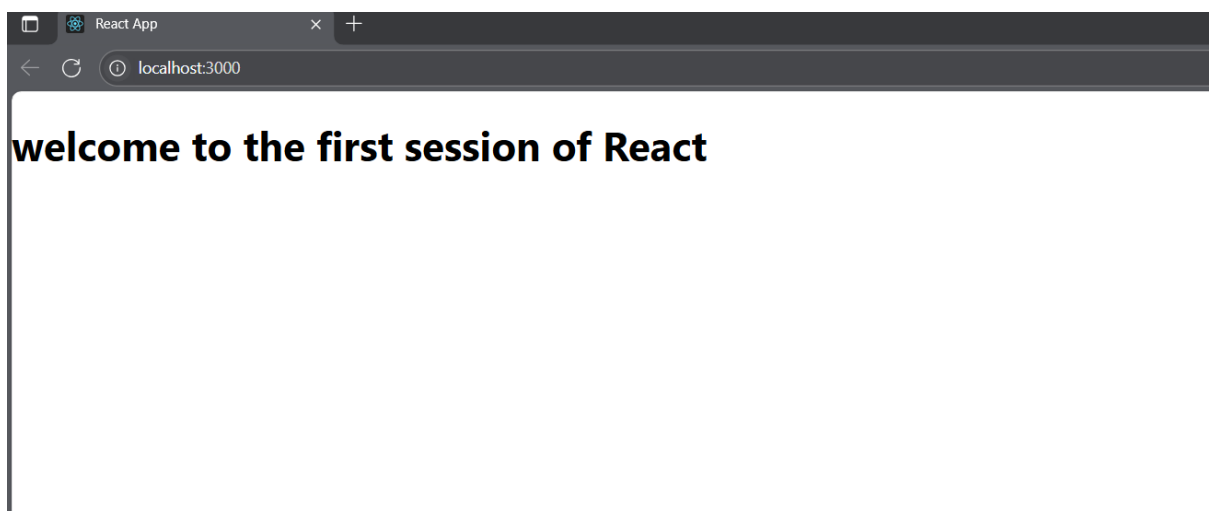
## 1. ReactJS-HOL

### App.js

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'MYFIRSTREACT' with a 'src' folder containing several files, including 'App.js' which is currently selected. The main editor window displays the code for 'App.js'. The code imports React from 'react', defines a function 'App()' that returns a JSX element with a single paragraph 'welcome to the first session of React', and exports the function as the default export.

```
src > JS App.js > ...
1  import React from 'react';
2
3  function App() {
4    return (
5      <div>
6        <p>welcome to the first session of React</p>
7      </div>
8    );
9  }
10
11 export default App;
12
```

### Output:



## 2. ReactJS-HOL

### Home.js

```
JS Home.js x JS About.js JS Contact.js JS App.js
src > Components > JS Home.js > Home > render
1  import React, { Component } from 'react';
2
3  class Home extends Component {
4    render() {
5      return (
6        <div>
7          <h3>Welcome to the Home Page of Student Management Portal</h3>
8        </div>
9      );
10   }
11 }
12
13 export default Home;
14
```

### About.js

```
JS Home.js JS About.js x JS Contact.js JS App.js
src > Components > JS About.js > ...
1  import React, { Component } from 'react';
2
3  class About extends Component {
4    render() {
5      return (
6        <div>
7          <h3>Welcome to the About Page of Student Management Portal</h3>
8        </div>
9      );
10   }
11 }
12
13 export default About;
14
```

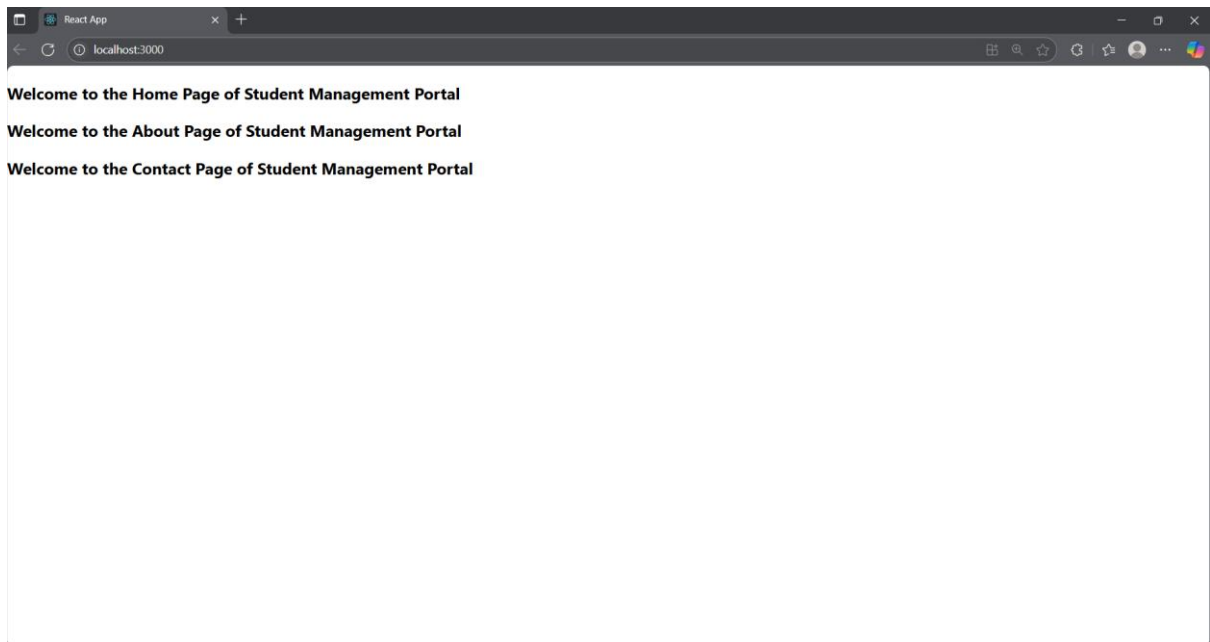
## Contact.js

```
JS Home.js JS About.js JS Contact.js X JS App.js
src > Components > JS Contact.js > ...
1  import React, { Component } from 'react';
2
3  class Contact extends Component {
4    render() {
5      return (
6        <div>
7          <h3>Welcome to the Contact Page of Student Management Portal</h3>
8        </div>
9      );
10   }
11 }
12
13 export default Contact;
14
```

## App.js

```
JS Home.js JS About.js JS Contact.js JS App.js X
src > JS App.js > App
1  import React from 'react';
2  import './App.css';
3  import Home from './Components/Home';
4  import About from './Components/About';
5  import Contact from './Components/Contact';
6
7  function App() {
8    return (
9      <div className="container">
10        <Home />
11        <About />
12        <Contact />
13      </div>
14    );
15  }
16
17 export default App;
18
```

## Output:



### 3. ReactJS-HOL

#### CalculateScore.js:

```
JS CalculateScore.js X # mystyle.css JS App.js
src > Components > JS CalculateScore.js > ...
1  import React from 'react';
2  import '../Stylesheets/mystyle.css';
3
4  function CalculateScore() {
5    const name = "Deekshitha";
6    const school = "GNITS";
7    const total = 490;
8    const average = (total / 500) * 100;
9
10   return (
11     <div className="score-container">
12       <h2>Student Score Details</h2>
13       <p className="name"><strong>Name:</strong> {name}</p>
14       <p className="school"><strong>School:</strong> {school}</p>
15       <p className="marks"><strong>Total Marks:</strong> {total}</p>
16       <p className="score"><strong>Average Score:</strong> {average.toFixed(2)}%</p>
17     </div>
18   );
19 }
20
21 export default CalculateScore;
22
```

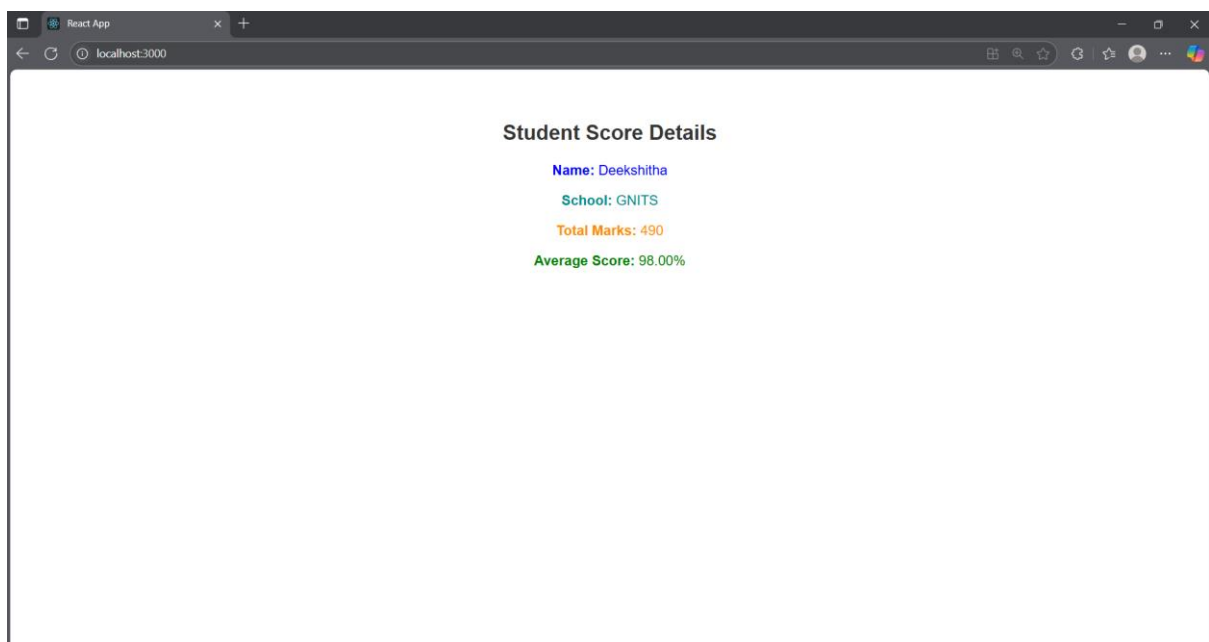
#### mystyle.css:

```
JS CalculateScore.js # mystyle.css X JS App.js
src > Stylesheets > # mystyle.css > ...
1  .score-container {
2    margin: 30px;
3    padding: 10px;
4    font-family: Arial, sans-serif;
5  }
6
7  h2 {
8    color: #333;
9  }
10
11  .name {
12    color: blue;
13  }
14
15  .school {
16    color: darkcyan;
17  }
18
19  .marks {
20    color: darkorange;
21  }
22
23  .score {
24    color: green;
25  }
26
```

App.js:

```
JS CalculateScore.js X # mystyle.css JS App.js X
src > JS App.js > ...
1  import React from 'react';
2  import './App.css';
3  import CalculateScore from './Components/CalculateScore';
4
5  function App() {
6    return (
7      <div className="App">
8        <CalculateScore />
9      </div>
10   );
11 }
12
13 export default App;
14
```

Output:



## 4. ReactJS-HOL

### Post.js

```
JS Post.js  X  JS Posts.js  JS App.js

src > JS Post.js > ...
1  import React from 'react';
2
3  function Post(props) {
4    return (
5      <div style={{ marginBottom: "20px" }}>
6        <h3>{props.title}</h3>
7        <p>{props.body}</p>
8      </div>
9    );
10 }
11
12 export default Post;
13
```

### Posts.js

```
JS Post.js  JS Posts.js  X  JS App.js

src > JS Posts.js > ...
1  import React, { Component } from 'react';
2  import Post from './Post';
3
4  class Posts extends Component {
5    constructor(props) {
6      super(props);
7      this.state = {
8        posts: [],
9        hasError: false,
10      };
11    }
12
13    loadPosts = () => {
14      fetch('https://jsonplaceholder.typicode.com/posts')
15        .then((response) => response.json())
16        .then((data) => {
17          this.setState({ posts: data });
18        })
19        .catch((error) => {
20          console.error('Error fetching posts:', error);
21          this.setState({ hasError: true });
22        });
23    };
24
25    componentDidMount() {
26      this.loadPosts();
27    }
28
29    componentDidCatch(error, info) {
30      alert("An error occurred in the component.");
31      console.error("Caught error:", error, info);
32    }
33
34    render() {
35      if (this.state.hasError) {
36        return <h2 style={{ color: 'red' }}>Something went wrong while loading posts.</h2>;
37      }
38    }
39  }
40
```

```
JS Postjs JS Posts.js X JS App.js
src > JS Posts.js > ...
4 class Posts extends Component {
28
29   componentDidCatch(error, info) {
30     alert("An error occurred in the component.");
31     console.error("Caught error:", error, info);
32   }
33
34   render() {
35     if (this.state.hasError) {
36       return <h2 style={{ color: 'red' }}>Something went wrong while loading posts.</h2>;
37     }
38
39     return (
40       <div style={{ padding: "20px" }}>
41         <h2>Blog Posts</h2>
42         {this.state.posts.map((post) => (
43           <Post key={post.id} title={post.title} body={post.body} />
44         ))}
45       </div>
46     );
47   }
48 }
49
50 export default Posts;
51
```

## App.js

```
JS Post.js JS Posts.js JS App.js X
src > JS App.js > ...
1 import React from 'react';
2 import './App.css';
3 import Posts from './Posts';
4
5 function App() {
6   return (
7     <div className="App">
8       <Posts />
9     </div>
10   );
11 }
12
13 export default App;
14
```



## 5. ReactJS-HOL

### CohortDetails.module.css

```
# CohortDetails.module.css X JS CohortDetails.js JS App.js
src > components > # CohortDetails.module.css > ...
1  .box {
2    width: 300px;
3    display: inline-block;
4    margin: 10px;
5    padding: 10px 20px;
6    border: 1px solid black;
7    border-radius: 10px;
8    vertical-align: top;
9  }
10
11  dt {
12    font-weight: 500;
13  }
14
```

### CohortDetails.js

```
# CohortDetails.module.css JS CohortDetails.js X JS App.js
src > components > JS CohortDetails.js > ...
1  import React from 'react';
2  import styles from './CohortDetails.module.css';
3
4  function CohortDetails(props) {
5    const { id, startedOn, status, coach, trainer } = props;
6
7    const headingStyle = {
8      color: status.toLowerCase() === "ongoing" ? "green" : "blue"
9    };
10
11    return (
12      <div className={styles.box}>
13        <h3 style={headingStyle}>{id}</h3>
14        <dl>
15          <dt>Started On</dt>
16          <dd>{startedOn}</dd>
17
18          <dt>Current Status</dt>
19          <dd>{status}</dd>
20
21          <dt>Coach</dt>
22          <dd>{coach}</dd>
23
24          <dt>Trainer</dt>
25          <dd>{trainer}</dd>
26        </dl>
27      </div>
28    );
29  }
30
```

## App.js

```
# CohortDetails.module.css  JS CohortDetails.js  JS App.js  X
src > JS App.js > App
1  import React from 'react';
2  import CohortDetails from './components/CohortDetails';
3
4  function App() {
5    return (
6      <div>
7        <h2>Cohorts Details</h2>
8        <CohortDetails
9          id="INTADMDF10-.NET FSD"
10         startedOn="22-Feb-2022"
11         status="Scheduled"
12         coach="Aathma"
13         trainer="Jojo Jose"
14       />
15       <CohortDetails
16         id="ADM21JF014-Java FSD"
17         startedOn="10-Sep-2021"
18         status="Ongoing"
19         coach="Apoorv"
20         trainer="Elisa Smith"
21       />
22       <CohortDetails
23         id="CDBJF21025-Java FSD"
24         startedOn="24-Dec-2021"
25         status="Ongoing"
26         coach="Aathma"
27         trainer="John Doe"
28       />
29     </div>
30   );
31 }
32
33 export default App;
34
```

Output:

