

## Digital Nurture – 4.0 JAVA FSE – Week 6 Assignments

File name: 1. ReactJS-HOL

Name: Hands-on in this document

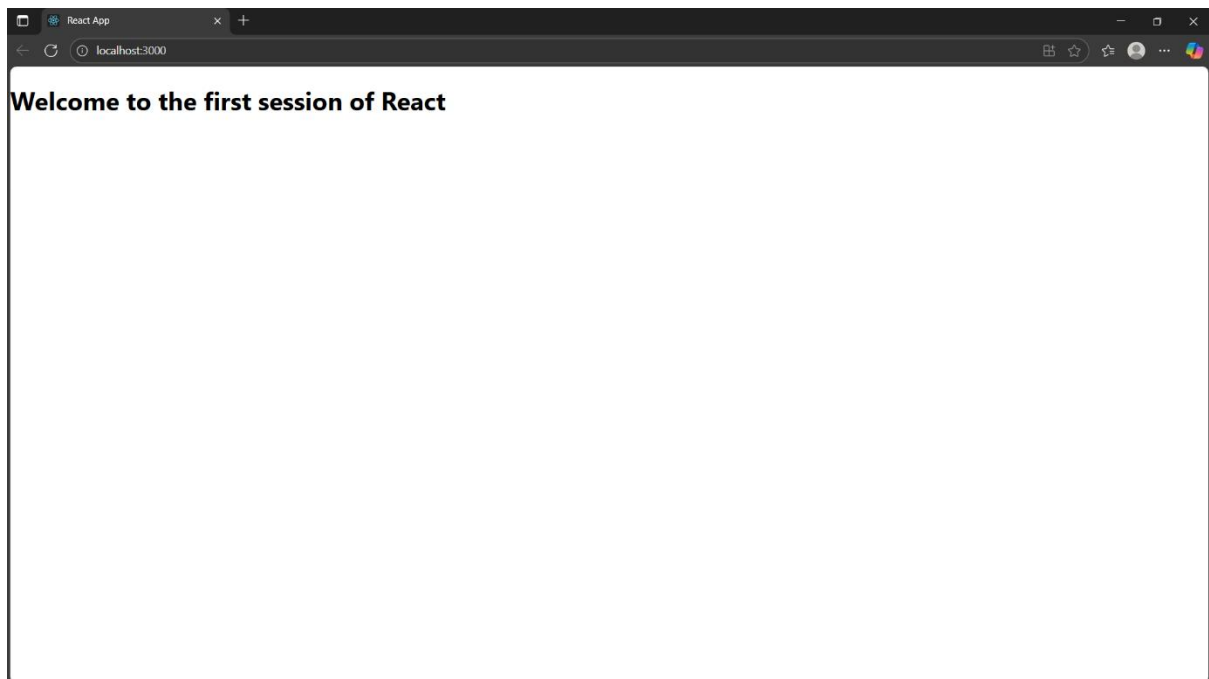
App.js

```
import React from 'react';

function App() {
  return (
    <div>
      <h1>Welcome to the first session of React</h1>
    </div>
  );
}

export default App;
```

Output;



File name: 2. ReactJS-HOL

Name: Hands-on in this document

About.js;

```
import React from 'react';
function About() {
  return (
    <div>
      <h2>Welcome to the About page of the Student Management Portal</h2>
    </div>
  );
}
```

export default About;

Contact.js;

```
import React from 'react';
function Contact() {
  return (
    <div>
      <h2>Welcome to the Contact page of the Student Management Portal</h2>
    </div>
  );
}
```

export default Contact;

Home.js;

```
import React from 'react';
function Home() {
  return (
    <div>
      <h2>Welcome to the Home page of Student Management Portal</h2>
    </div>
  );
}
```

export default Home;

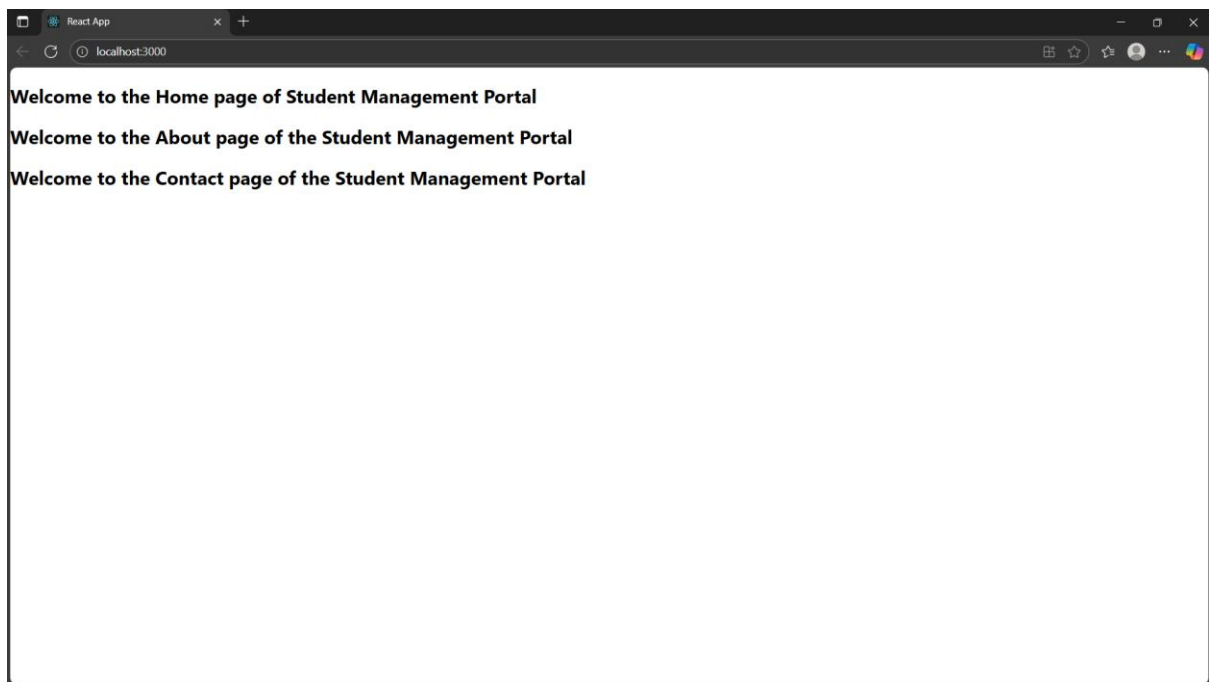
App.js;

```
import React from 'react';  
import Home from './components/Home';  
import About from './components/About';  
import Contact from './components/Contact';
```

```
function App() {  
  return (  
    <div className="App">  
      <Home />  
      <About />  
      <Contact />  
    </div>  
  );  
}
```

```
export default App;
```

Output;



File name: 3. ReactJS-HOL

Name: Hands-on in this document

CalculateScore.js;

```
import React from 'react';
import '../Stylesheets/mystyle.css';
```

```
function CalculateScore() {
  const name = "Lalit Kishore";
  const school = "ABC Public School";
  const total = 450;
  const goal = 500;
  const average = (total / goal) * 100;

  return (
    <div className="score-card">
      <h2>Student Score Calculator</h2>
      <p><strong>Name:</strong> {name}</p>
      <p><strong>School:</strong> {school}</p>
      <p><strong>Total Marks:</strong> {total}</p>
      <p><strong>Goal:</strong> {goal}</p>
      <p><strong>Average Score:</strong> {average.toFixed(2)}%</p>
    </div>
  );
}
```

```
export default CalculateScore;
```

mystyle.css;

```
.score-card {
  margin: 30px auto;
  padding: 20px;
  width: 50%;
  border: 2px solid #333;
  border-radius: 10px;
  background-color: #f0f8ff;
  font-family: Arial, sans-serif;
  box-shadow: 2px 2px 8px rgba(0,0,0,0.2);
}
```

```
.score-card h2 {
  color: #003366;
  text-align: center;
}
```

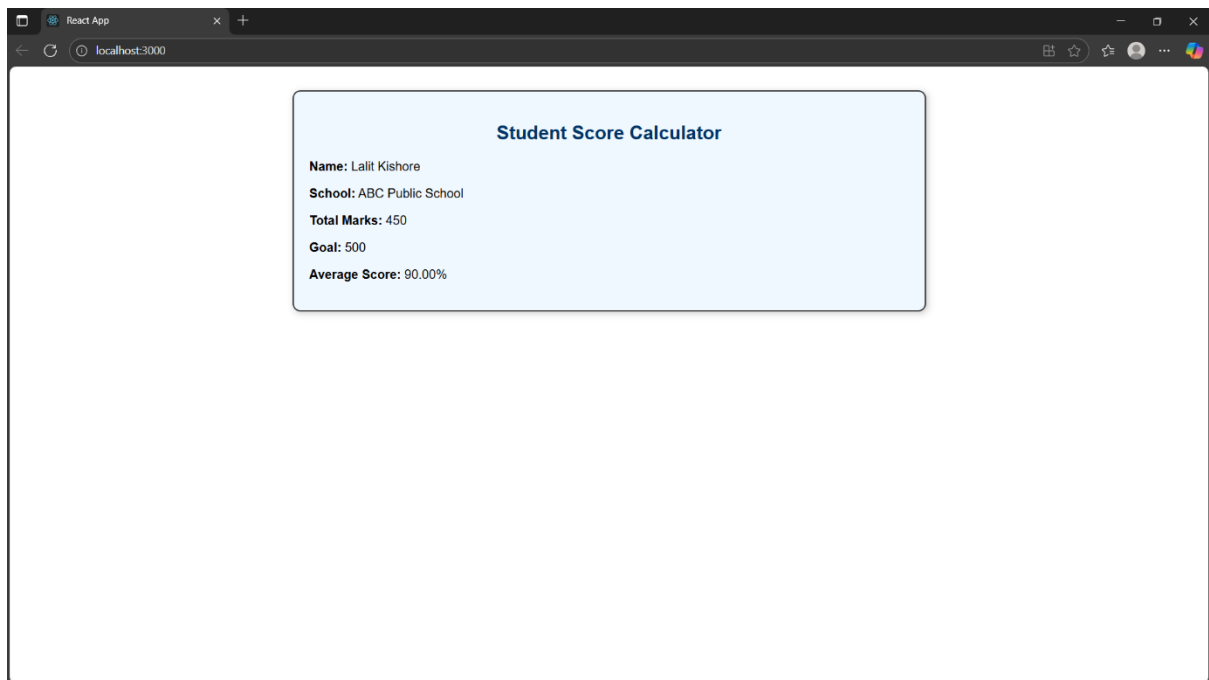
App.js;

```
import React from 'react';  
import CalculateScore from './components/CalculateScore';
```

```
function App() {  
  return (  
    <div className="App">  
      <CalculateScore />  
    </div>  
  );  
}
```

```
export default App;
```

Output;



File name: 4. ReactJS-HOL

Name: Hands-on in this document

Post.js;

// src/Post.js

import React from 'react';

```
class Post {  
  constructor(userId, id, title, body) {  
    this.userId = userId;  
    this.id = id;  
    this.title = title;  
    this.body = body;  
  }  
}
```

export default Post;

// src/Posts.js

import React, { Component } from 'react';

import Post from './Post';

```
class Posts extends Component {  
  constructor(props) {  
    super(props);  
    this.state = {  
      posts: []  
    };  
  }  
}
```

```
loadPosts = () => {  
  fetch('https://jsonplaceholder.typicode.com/posts')  
    .then(response => response.json())  
    .then(data => {  
      const postList = data.map(item => new Post(item.userId, item.id, item.title, item.body));  
      this.setState({ posts: postList });  
    })  
    .catch(error => {  
      console.error('Error fetching posts:', error);  
      alert('Error fetching posts');  
    })  
}
```

```

    });
};

componentDidMount() {
  this.loadPosts();
}

componentDidCatch(error, info) {
  alert('An error occurred: ' + error);
}

render() {
  return (
    <div>
      <h1>Posts</h1>
      {this.state.posts.map(post => (
        <div key={post.id}>
          <h2>{post.title}</h2>
          <p>{post.body}</p>
        </div>
      ))}
    </div>
  );
}
}

export default Posts;

App.js;

import React from 'react';
import './App.css';
import Posts from './Posts';

function App() {
  return (
    <div className="App">
      <Posts />
    </div>
  );
}

```

export default App;

Output;



File name: 5. ReactJS-HOL

Name: Hands-on in this document

CohortDetails.js;

```
import React from 'react';
```

```
import styles from './CohortDetails.module.css';
```

```
function CohortDetails({ name, status, startDate, endDate }) {  
  const headingStyle = {  
    color: status === 'ongoing' ? 'green' : 'blue',  
  };  
};
```

```
return (  
  <div className={styles.box}>  
    <h3 style={headingStyle}>{name}</h3>  
    <dl>  
      <dt>Status:</dt>  
      <dd>{status}</dd>
```



```

        <dt>Start Date:</dt>
        <dd>{startDate}</dd>
        <dt>End Date:</dt>
        <dd>{endDate}</dd>
    </dl>
</div>
);
}

```

```
export default CohortDetails;
```

```
App.js;
```

```

import logo from './logo.svg';
import './App.css';
import { CohortsData } from './Cohort'
import CohortDetails from './CohortDetails';

```

```

function App() {

  return (
    <div>
      <h1>Cohorts Details</h1>
      {CohortsData.map(cohort => <CohortDetails cohort={cohort}/>)}
    </div>
  );
}
export default App;

```

Output;

