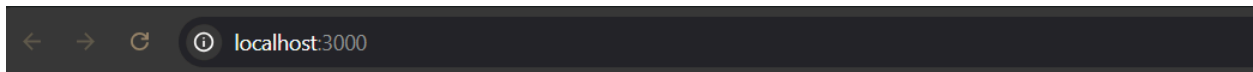


React Hands-on -1:

```
function App() {  
  return (  
    <h1>Welcome to first react session</h1>  
  );  
}  
  
export default App;
```



Welcome to first react session

React Handson-2

```
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 home page of Student Management Portal</h3>  
8        </div>  
9      );  
10   }  
11 }  
12 export default Home;
```

```
import './App.css';
import Home from './Components/Home';
import About from './Components/About';
import Contact from './Components/Contact';

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

export default App;

//About.js
import React, {Component} from 'react'

class About extends Component{
  render(){
    return(
      <div>
        <h3>Welcome to about page of Student Management Portal</h3>
      </div>
    );
  }
}

export default About;

//Contact.js
import React, {Component} from 'react'

class Contact extends Component{
  render(){
    return (
```

```
    <div>
      <h3>Welcome to contact page of Student Management Portal</h3>
    </div>
  );
}
}
export default Contact;
```



Welcome to home page of Student Management Portal

Welcome to about page of Student Management Portal

Welcome to contact page of Student Management Portal

React handson -3

```
.score-card {
  border: 1px solid #ccc;
  padding: 20px;
  margin: 20px auto;
  width: 50%;
  box-shadow: 2px 2px 8px rgba(0,0,0,0.1);
  background-color: #f9f9f9;
  font-family: Arial, sans-serif;
  border-radius: 8px;
}

.score-card h2 {
  color: #333;
  text-align: center;
  margin-bottom: 15px;
}

.score-card p {
  margin-bottom: 8px;
  color: #555;
}

.score-card strong {
  color: #000;
}
```

//CalculatorScore.js

```
import React from 'react';

function CalculateScore(props) {
  const { Name, School, Total, Goal } = props;
  const average = Total / Goal;

  return (
    <div className="score-card">
      <h2>Student Score Details</h2>
```

```
<p><strong>Name:</strong> {Name}</p>
<p><strong>School:</strong> {School}</p>
<p><strong>Total Score:</strong> {Total}</p>
<p><strong>Goal Score:</strong> {Goal}</p>
<p><strong>Average Score:</strong> {average.toFixed(2)}</p>
</div>
);
}

export default CalculateScore;
```



Student Management Portal

Student Score Details

Name: Alice
School: Greenwood High
Total Score: 85
Goal Score: 100
Average Score: 0.85

Student Score Details

Name: Bob
School: Springfield Academy
Total Score: 72
Goal Score: 90
Average Score: 0.80

React hands-on -4

```
JS Post.js  X  JS Posts.js  JS App.js
src > JS Post.js > Post
1  class Post {
2    constructor(id, title, body) {
3      this.id = id;
4      this.title = title;
5      this.body = body;
6    }
7  }
8
9  export default Post;
```

```
//Posts.js
import React from 'react';
import Post from './Post';

class Posts extends React.Component {
  constructor(props) {
    super(props);

    this.state = {
      posts: [],
      error: null,
      hasError: false,
    };
  }

  loadPosts = async () => {
    try {
      const response = await
fetch('https://jsonplaceholder.typicode.com/posts');
      if (!response.ok) {
        throw new Error(`HTTP error! status: ${response.status}`);
      }
      const data = await response.json();
    }
  }
}
```



```

        </div>
      ))
    ) : (
      <p>Loading posts or no posts available...</p>
    )}
  </div>
);
}
}

export default Posts;

```

JS Post.js

JS Posts.js

JS App.js

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

<h1>My Blog Application</h1>

9

<Posts />

10

</div>

11

);

12

}

13

14

export default App;

