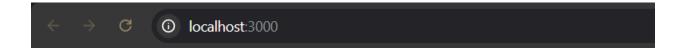
## React Hands-on -1:

# Welcome to first react session

## **React Handson-2**

```
import './App.css';
import Home from './Components/Home';
import About from './Components/About';
import Contact from './Components/Contact';
//App.js
function App() {
 return (
export default App;
//About.js
import React, {Component} from 'react'
class About extends Component{
   render(){
       return(
       <h3>Welcome to about page of Student Management Portal</h3>
export default About;
import React, {Component} from 'react'
class Contact extends Component{
    render(){
```



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



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# **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

```
//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();
```

```
const fetchedPosts = data.map(item => new Post(item.id, item.title,
item.body));
      this.setState({ posts: fetchedPosts, error: null, hasError: false
});
    } catch (error) {
     console.error("Error fetching posts:", error);
      this.setState({ error: error.message, hasError: true });
 };
 componentDidMount() {
   this.loadPosts();
 componentDidCatch(error, info) {
   console.error("Error caught by componentDidCatch:", error, info);
   this.setState({
     hasError: true,
     error: error.message,
   alert(`An error occurred: ${error.message}\nComponent Stack:
${info.componentStack}`);
 render() {
   if (this.state.hasError) {
     return <h1>Something went wrong: {this.state.error}</h1>;
   return (
     <div>
       <h2>Blog Posts</h2>
       {this.state.posts.length > 0 ? (
         this.state.posts.map(post => (
           <div key={post.id}>
             <h3>{post.title}</h3>
             {post.body}
```

```
JS App.js
JS Post.js
                JS Posts.js
src > JS App.js > ...
       import React from 'react';
       import './App.css';
       import Posts from './Posts';
       function App() {
         return (
           <div className="App">
              <h1>My Blog Application</h1>
             <Posts />
           </div>
 11
         );
 12
 13
       export default App;
```



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