

Week 6- React

Exercise -1

WEEK 6 REACT

EX-1

App.js

```
import React from 'react';

import './App.css';

import Home from './Components/Home';
import About from './Components/About';
import Contact from './Components/Contact';

function App() {

  return (

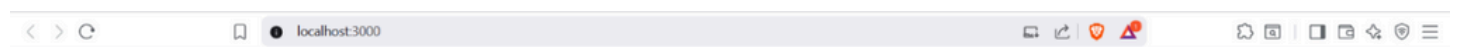
    <h1>Welcome to the first React Session </h1>

  );

}

export default App;
```

OUTPUT:



Welcome to the first React Session

Exercise 2: STUDENTAPP

Home.js

```
import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <div>

        <h2>Welcome to the Home page of Student Management Portal</h2>

      </div>

    );

  }

}

export default Home;
```

About.js

```
import React, { Component } from 'react';

class About extends Component {

  render() {

    return (

      <div>

        <h2>Welcome to the About page of the Student Management Portal</h2>

      </div>

    );

  }

}

export default About;
```

Contact.js

```
import React, { Component } from 'react';

class Contact extends Component {

  render() {

    return (

      <div>

        <h2>Welcome to the Contact page of the Student Management Portal</h2>

      </div>

    );

  }

}

export default Contact;
```

App.js

```
import React from 'react';

import './App.css';

import Home from './Components/Home';

import About from './Components/About';

import Contact from './Components/Contact';

function App() {

  return (

    <div className="App">

      <Home />

      <About />

      <Contact />

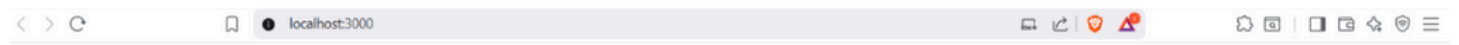
    </div>

  );

}
```

export default App;

OUTPUT



Welcome to the Home page of Student Management Portal

Welcome to the About page of the Student Management Portal

Welcome to the Contact page of the Student Management Portal

EXercise 3 :SCORECALCULATORAPP

CalculateScore.js

```
import React from 'react';

function CalculateScore(props) {

  const { name, school, total, goal } = props;

  const average = (total / goal).toFixed(2);

  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 className="highlight">Average Score: {average}</p>

    </div>

  );

}
```

```
export default CalculateScore;
```

App.js

```
import React from 'react';

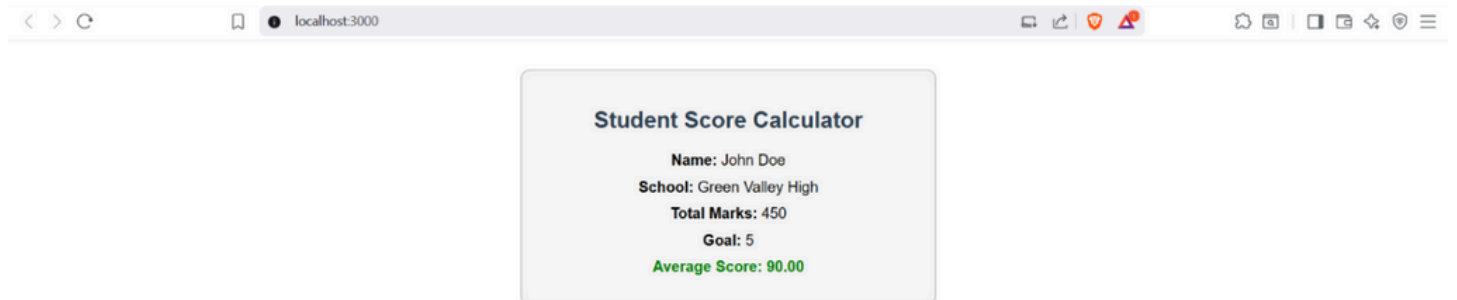
import './App.css';

import CalculateScore from './Components/CalculateScore';

function App() {
```

```
return (  
  
<div className="App">  
  
<CalculateScore  
  
name="John Doe"  
  
school="Green Valley High"  
  
total={450}  
  
goal={5}  
  
/>  
  
</div>  
  
);  
  
}  
  
export default App;
```

OUTPUT



EXercise 4 :BLOGGAPP

Post.js

```
import React from 'react';

class Post extends React.Component {

  render() {

    return (

      <div className="post">

        <h3>{this.props.title}</h3>

        <p>{this.props.body}</p>

      </div>

    );

  }

}

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: [],

      hasError: false,

    };

  }
```

```
loadPosts = () => {
  fetch('https://jsonplaceholder.typicode.com/posts')
    .then((response) => response.json())
    .then((data) => this.setState({ posts: data }))
    .catch((error) => {
      console.error('Error fetching posts:', error);
      this.setState({ hasError: true });
    });
  };

  componentDidMount() {
    this.loadPosts();
  }

  componentDidCatch(error, info) {
    alert('Something went wrong!');
    console.error("Caught by componentDidCatch:", error, info);
  }

  render() {
    if (this.state.hasError) {
      return <h2>Unable to load posts.</h2>;
    }

    return (
      <div>
        <h2>Posts</h2>
        {this.state.posts.slice(0, 10).map((post) => (
```



```
<Post key={post.id} title={post.title} body={post.body} />

    )})

</div>

);

}

}

export default Posts;
```

App.js

```
import React from 'react';

import './App.css';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <header className="App-header">

        <h1>Blog App</h1>

        <Posts />

      </header>

    </div>

  );

}

export default App;
```

OUTPUT

Welcome to BlogApp

Blog Posts

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EX 5 COHORTDETAILS

CohortDetails.js

```
import React from "react";

import styles from "./CohortDetails.module.css";

function CohortDetails(props) {

  const { cohort } = props;

  const statusStyle = {

    color: cohort.status.toLowerCase() === "ongoing" ? "green" : "blue"

  };

  return (

    <div className={styles.box}>

      <h3 style={statusStyle}>{cohort.name}</h3>

      <dl>

        <dt>Trainer</dt>

        <dd>{cohort.trainer}</dd>

        <dt>Status</dt>

        <dd>{cohort.status}</dd>

        <dt>Participants</dt>

        <dd>{cohort.participants}</dd>

      </dl>

    </div>

  );

}

export default CohortDetails;
```

App.js

```
import React from "react";
```

```
import CohortDetails from "./CohortDetails";

function App() {

  const cohorts = [

    {

      name: "React Bootcamp",

      trainer: "Ravi",

      status: "ongoing",

      participants: 25

    },

    {

      name: "Node.js Deep Dive",

      trainer: "Anita",

      status: "completed",

      participants: 30

    }

  ];

  return (

    <div>

      <h1>Cohort Dashboard</h1>

      {cohorts.map((cohort, index) => (

        <CohortDetails key={index} cohort={cohort} />

      )))}

    </div>

  );
```

```
}
```

```
export default App;
```

CohortDetails.module.css

```
.box {
```

```
width: 300px;
```

```
display: inline-block;
```

```
margin: 10px;
```

```
padding: 10px 20px;
```

```
border: 1px solid black;
```

```
border-radius: 10px;
```

```
}
```

```
dt {
```

```
font-weight: 500;
```

```
}
```

OUTPUT

