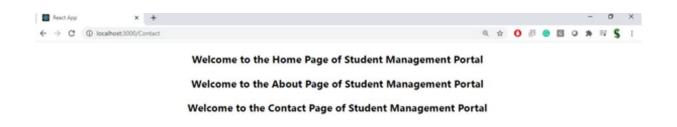
## WEEK\_6-REACT

```
1.
npm install -g create-react-app
npx create-react-app myfirstreact
cd myfirstreact
Src/App.js
import React from 'react';
function App() {
return (
 <div>
  <h1>Welcome to the first session of React</h1>
  </div>
);
}
export default App;
npm start
```

Welcome the first session of React

```
2.
import React from 'react';
function Home() {
return (
 <div>
  <h1>Welcome to the Home page of Student Management Portal</h1>
 </div>
);
}
export default Home;
About.js
import React from 'react';
function About() {
return (
 <div>
  <h1>Welcome to the About page of the Student Management Portal</h1>
 </div>
);
}
export default About;
App.js
import React from 'react';
```



3.

#### Src/Components/CalculateScore.js

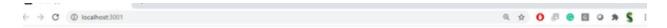
import React from 'react';

export default App;

import '../Stylesheets/mystyle.css';

```
function CalculateScore({ name, school, total, goal }) {
const average = (total / goal).toFixed(2);
 return (
 <div className="score-card">
  <h2>Student Score Calculator</h2>
  <strong>Name:</strong> {name}
  <strong>School:</strong> {school}
  <strong>Total Marks:</strong> {total}
  <strong>Goal Marks:</strong> {goal}
  <strong>Average Score:</strong> {average}
 </div>
);
}
export default CalculateScore;
Src/Stylesheets/mystyle.css
.score-card {
 border: 2px solid #4CAF50;
 padding: 20px;
 margin: 20px auto;
 border-radius: 10px;
width: 350px;
 background-color: #f9f9f9;
text-align: left;
```

```
font-family: Arial, sans-serif;
}
.score-card h2 {
text-align: center;
color: #4CAF50;
}
.highlight {
color: #d9534f;
font-weight: bold;
}
App.js
import React from 'react';
import CalculateScore from './Components/CalculateScore';
function App() {
  return (
    <div>
      <CalculateScore name="John Doe" school="ABC High School"
total={450} goal={500} />
    </div>
  );
}
```



# **Student Details:**

Name: Steeve School: DNV Public School Total: 284Marks Score:94.67%

```
4.
```

### Src/Post.js

```
// Post class to represent a Post object
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: []
 };
 this.loadPosts = this.loadPosts.bind(this);
}
// Step 6: loadPosts() method
 loadPosts() {
 fetch('https://jsonplaceholder.typicode.com/posts')
  .then(response => response.json())
  .then(data => {
   const posts = data.map(p => new Post(p.userId, p.id, p.title, p.body));
   this.setState({ posts });
  })
  .catch(error => {
   console.error('Error fetching posts:', error);
   alert('Failed to load posts!');
  });
}
// Step 7: componentDidMount()
componentDidMount() {
```

```
this.loadPosts();
}
// Step 9: componentDidCatch()
componentDidCatch(error, info) {
 console.error("Error in Posts component:", error, info);
 alert("An error occurred while rendering Posts!");
}
// Step 8: render()
 render() {
 return (
  <div>
   <h1>Blog Posts</h1>
   {this.state.posts.map(post => (
    <div key={post.id} style={{ marginBottom: '20px' }}>
     <h3>{post.title}</h3>
     {post.body}
    </div>
   ))}
  </div>
 );
}
}
export default Posts;
```

```
Src/App.js
import React from 'react';
import Posts from './Posts';
function App() {
 return (
  <div className="App">
  <Posts />
 </div>
);
}
export default App;
5.
Src/CohortDetails.module.css
/* Box style for each cohort card */ .box { width: 300px; display: inline-block; margin: 10px;
padding: 10px 20px; border: 1px solid black; border-radius: 10px; }
/* Styling for
tags */ dt { font-weight: 500; }
Src/components/.
import React from "react";
import styles from "../CohortDetails.module.css";
```

```
const CohortDetails = ({ cohort }) => {
// Apply conditional color based on cohort status
const headingStyle = {
 color: cohort.status === "ongoing"? "green": "blue",
};
 return (
 <div className={styles.box}>
  <h3 style={headingStyle}>{cohort.name}</h3>
  <dl>
   <dt>Status:</dt>
   <dd>{cohort.status}</dd>
   <dt>Start Date:</dt>
   <dd>{cohort.startDate}</dd>
   <dt>End Date:</dt>
   <dd>{cohort.endDate}</dd>
  </dl>
 </div>
);
};
export default CohortDetails;
Example App.js
import React from "react";
import CohortDetails from "./components/CohortDetails";
```

```
function App() {
const cohorts = [
 { name: "React Bootcamp", status: "ongoing", startDate: "2025-08-01", endDate: "2025-
09-15"},
 { name: "Spring Boot Training", status: "completed", startDate: "2025-06-01", endDate:
"2025-07-15" },
];
return (
  <div>
  <h2>Cognizant Academy Cohorts</h2>
  {cohorts.map((c, index) => (
   <CohortDetails key={index} cohort={c} />
  ))}
  </div>
);
}
```

export default App;