1.

import logo from './logo.svg';

import './App.css';

function App() {

  return (

    <h1>Welcome the first session of React</h1>

  );

}

export default App;

A screenshot of a computer

AI-generated content may be incorrect.

2.

import React from 'react';

import Home from './Components/Home';

import About from './Components/About';

import Contact from './Components/Contact';

function App() {

  return (

    <div>

      <Home />

      <About />

      <Contact />

    </div>

  );

}

export default App;

import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the About Page of Student Management Portal</h3>

      </div>

    );

  }

}

export default Home;

import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the Contact Page of Student Management Portal</h3>

      </div>

    );

  }

}

export default Home;

import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the Home Page of Student Management Portal</h3>

      </div>

    );

  }

}

export default Home;

A black and white rectangle

AI-generated content may be incorrect.

3.

import React from 'react';

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

const percentToDecimal = (decimal) => {

  return (decimal \* 100).toFixed(2) + '%';

};

const calcScore = (total, goal) => {

  return percentToDecimal(total / goal);

};

export const CalculateScore = ({ Name, School, total, goal }) => (

  <div className="formatstyle">

    <h1 className="heading">Student Details:</h1>

    <div className="info"><b>Name:</b> {Name}</div>

    <div className="info"><b>School:</b> {School}</div>

    <div className="info"><b>Total:</b> {total} Marks</div>

    <div className="info"><b>Score:</b> {calcScore(total, goal)}</div>

  </div>

);

/\* src/Stylesheets/mystyle.css \*/

.formatstyle {

  padding: 20px;

  background-color: #f4f4f4;

  border-radius: 10px;

  width: 400px;

  margin: auto;

  margin-top: 50px;

  font-family: Arial, sans-serif;

  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

.heading {

  color: brown;

  text-align: center;

}

.info {

  margin: 10px 0;

  font-size: 18px;

}

// src/App.js

import React from 'react';

import { CalculateScore } from './Components/CalculateScore';

function App() {

  return (

    <div className="App">

      <CalculateScore Name="Akshitha" School="KL University" total={95} goal={100} />

    </div>

  );

}

export default App;

A screen shot of a computer

AI-generated content may be incorrect.

4.

// src/Post.js

export default class Post {

  constructor(userId, id, title, body) {

    this.userId = userId;

    this.id = id;

    this.title = title;

    this.body = body;

  }

}

// src/Posts.js

import React, { Component } from 'react';

import Post from './Post';

class Posts extends Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false

    };

  }

  // Fetch posts using Fetch API

  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);

        this.setState({ hasError: true });

      });

  };

  // Lifecycle hook: fetch data after mounting

  componentDidMount() {

    this.loadPosts();

  }

  // Lifecycle hook: catch rendering or other errors

  componentDidCatch(error, info) {

    alert('Something went wrong while displaying posts!');

    console.log('Error:', error);

    console.log('Info:', info);

    this.setState({ hasError: true });

  }

  render() {

    if (this.state.hasError) {

      return <h2>Oops! Unable to load posts.</h2>;

    }

    return (

      <div style={{ padding: '20px' }}>

        <h1>Blog Posts</h1>

        {this.state.posts.map((post) => (

          <div key={post.id} style={{ marginBottom: '20px' }}>

            <h3>{post.title}</h3>

            <p>{post.body}</p>

            <hr />

          </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;

A screenshot of a computer

AI-generated content may be incorrect.

5.

.box {

  width: 300px;

  display: inline-block;

  margin: 10px;

  padding: 10px 20px;

  border: 1px solid black;

  border-radius: 10px;

}

dt {

  font-weight: 500;

}

import React from 'react';

import CohortDetails from './components/CohortDetails';

function App() {

  const cohortList = [

    {

      name: 'INTADMDF10 - .NET FSD',

      startDate: '22-Feb-2022',

      status: 'Scheduled',

      coach: 'Aathma',

      trainer: 'Jojo Jose'

    },

    {

      name: 'ADM21JF014 - Java FSD',

      startDate: '10-Sep-2021',

      status: 'Ongoing',

      coach: 'Apoorv',

      trainer: 'Elisa Smith'

    },

    {

      name: 'CDBJF21025 - Java FSD',

      startDate: '24-Dec-2021',

      status: 'Ongoing',

      coach: 'Aathma',

      trainer: 'John Doe'

    }

  ];

  return (

    <div className="App">

      <CohortDetails data={cohortList} />

    </div>

  );

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

import React from 'react';

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

const CohortDetails = ({ data }) => {

  return (

    <div>

      <h2>Cohorts Details</h2>

      {data.map((cohort, index) => (

        <div key={index} className={styles.box}>

          <h3 style={{ color: cohort.status === 'Ongoing' ? 'green' : 'blue' }}>

            {cohort.name}

          </h3>

          <dl>

            <dt>Started On</dt>

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

            <dt>Current Status</dt>

            <dd>{cohort.status}</dd>

            <dt>Coach</dt>

            <dd>{cohort.coach}</dd>

            <dt>Trainer</dt>

            <dd>{cohort.trainer}</dd>

          </dl>

        </div>

      ))}

    </div>

  );

};

export default CohortDetails;

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>Cohort Tracker</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div>

  </body>

</html>

