**FileName: 1. ReactJS-HOL  
  
App.js**import logo from './logo.svg';

import './App.css';

function App() {

  return (

    <div>

      <h1>Welcome to first session of React Joel Gladwin!</h1>

    </div>

  );

}

export default App;  
 **OUTPUT:**

A screen shot of a computer

AI-generated content may be incorrect.

**Filename: 2. ReactJS-HOL:  
  
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 logo from './logo.svg';

import './App.css';

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;

**OUTPUT:**

A screenshot of a computer

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**Filename: 3. ReactJS-HOL**

**CalculateScore.js**

import './Stylesheets/mystyle.css'

const percentToDecimal = (decimal) => {

    return (decimal.toFixed(2) + '%')

}

const calcScore = (total, goal) => {

    return percentToDecimal(total / goal)

}

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

    <div className="formatstyle">

        <h1><font color="Brown">Student Details:</font></h1>

        <div className="Name">

            <b><span> Name: </span></b>

            <span>{Name}</span>

        </div>

        <div className="School">

            <b><span> School: </span></b>

            <span>{School}</span>

        </div>

        <div className="Total">

            <b><span>Total:</span> </b>

            <span>{total}</span>

            <span>Marks</span>

        </div>

        <div className="Score">

            <b>Score:</b>

            <span>

                {calcScore(

                    total,

                    goal

                )}

            </span>

        </div>

    </div>

)

**mystyle.css**

.Name

{

    font-weight:300;

    color:blue;

}

.School

{

    color:crimson;

}

.Total

{

    color:darkmagenta;

}

.formatstyle

{

    text-align:center;

    font-size:large;

}

.Score

{

    color:forestgreen;

}

**App.js**

import logo from './logo.svg';

import './App.css';

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

function App()

{

return(

<div>

    <CalculateScore Name={"Steeve"}

    School={"DNV Public School"}

    total={284}

    goal={3}

    />

</div>

)

}

export default App;

**OUTPUT:**

**A screen shot of a computer

AI-generated content may be incorrect.**

**Filename: 4. ReactJS-HOL**

**Post.js**

import React from 'react';

class Post{

    constructor(id, title, body){

        this.id = id;

        this.title = title;

        this.body = body;

    }

}

export default Post;

**Posts.js**

import React from 'react';

class Posts extends React.Component {

    constructor(props){

        super(props);

        this.state = {

            posts: []

        };

    }

    loadPosts(){

         fetch("https://jsonplaceholder.typicode.com/posts")

        .then(response => response.json())

        .then(data => {

            this.setState({ posts: data });

        });

    }

    componentDidMount(){

        this.loadPosts();

    }

    render(){

        return (

        <div>

            <h1>Posts</h1>

            {

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

                    <div key={post.id}>

                        <h2>{post.title}</h2>

                        <p>{post.body}</p>

                    </div>

                ))

            }

        </div>

        );

    }

    componentDidCatch(error, info){

        alert("An error occurred: " + error);

    }

}

export default Posts;

**App.js**

import logo from './logo.svg';

import './App.css';

import React from 'react';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.  
  
  
  
  
  
  
  
**Filename: 5. ReactJS-HOL**

**Cohortdetails.js**

import React from 'react';

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

function CohortDetails(props) {

    const headingStyle = {

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

    };

    return (

        <div className={styles.box}>

            <h3 style={headingStyle}>

                {props.cohort.cohortCode} -

                <span>{props.cohort.technology}</span>

            </h3>

            <dl>

                <dt>Started On</dt>

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

                <dt>Current Status</dt>

                <dd>{props.cohort.currentStatus}</dd>

                <dt>Coach</dt>

                <dd>{props.cohort.coachName}</dd>

                <dt>Trainer</dt>

                <dd>{props.cohort.trainerName}</dd>

            </dl>

        </div>

    );

}

export default CohortDetails;

**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;

}

**App.js**

import logo from './logo.svg';

import './App.css';

import { CohortsData} from './Cohort'

import CohortDetails from './CohortDetails';

function App() {

  return (

  <div>

    <h1>Cohorts Details</h1>

    {CohortsData.map(cohort => <CohortDetails cohort={cohort}/>)}

  </div>

  );

}

export default App;

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.