## WEEK-6

## 1) ReactJS-HOL

## Output



# Welcome to the first session of React

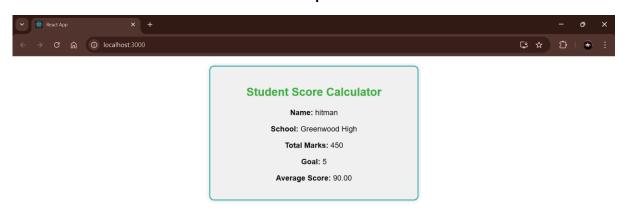
Welcome to the first session of React



# **Student Management Portal**

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

```
JS CalculateScore.js X JS App.js
                                  # mystyle.css
                                                                                     □ …
scorecalculatorapp > src > Components > JS CalculateScore.js > ♦ CalculateScore
      import '../StyleSheets/mystyle.css';
      function CalculateScore(props) {
       const average = props.total / props.goal;
         <div className="score-card">
           <h2>Student Score Calculator</h2>
                                                                                           T
           <strong>Name:</strong> {props.name}
           <strong>School:</strong> {props.school}
           <strong>Total Marks:</strong> {props.total}
           <strong>Goal:</strong> {props.goal}
           <strong>Average Score:</strong> {average.toFixed(2)}
      export default CalculateScore;
```



```
blogapp > src > Components > JS Postjs > Cs Post

class Post {
    constructor(userId, id, title, body) {
        this.userId = userId;
        this.id = id;
        this.title = title;
        this.body = body;
    }
}

export default Post;
11
```



## **Blog Posts**

### How to Build a React App

This post explains the basic steps to build a React application using Create React App.

## **Understanding Component Lifecycle**

In this post, we explore how lifecycle methods work in React class components.

## Why Use React?

React is a powerful JavaScript library for building user interfaces efficiently.

```
Cohort-dashboard
                                                                                                     83 ~
                                                                                                                  JS App.js
仚

∨ COHORT-DASHBOARD

       > node modules
                                     import { CohortsData} from './Cohort'
                                     import CohortDetails from './CohortDetails';
       > public
                                     function App() {
       JS App.test.js
       JS Cohort.js
                                        <h1>Cohorts Details</h1>
胎
       JS CohortDetails.js
                                        {CohortsData.map(cohort => <CohortDetails cohort={cohort}/>)}
        # CohortDetails.modul...
(1)
        # index.css
        ¹ logo.svg
                                                                                                                  TERMINAL PORTS
       JS reportWebVitals.js
       JS setupTests.js
                              cached modules 1.37 MiB [cached] 110 modules
                              runtime modules 31.3 KiB 15 modules
       gitignore
                              ./src/App.js 1.84 KiB [built] [code generated]
       {} package-lock.json
       {} package.json
                              WARNING in src\App.js
Line 1:8: 'logo' is defined but never used no-unused-vars
(Q)

 README.md

     > OUTLINE
                               webpack 5.68.0 compiled with 1 warning in 80 ms
     > TIMELINE
   ☑ 🔊 Launchpad 🛇 0 🛕 0
                                                                                    Ln 17, Col 1 Spaces: 2 UTF-8 LF {} JavaScript 🔠 🏟 Go Live 🚨
```

```
□ ...
JS CohortDetails.js X
       import styles from './CohortDetails.module.css'; // Assuming this file is in same folder
      function CohortDetails(props) {
        const { cohort } = props;
         const statusStyle = {
         color: cohort.currentStatus.toLowerCase() === 'ongoing' ? 'green' : 'blue'
          <div className={styles.box}>
            <h3 style={statusStyle}>
             {cohort.cohortCode} - <span>{cohort.technology}</span>
              <dt>Started On</dt>
<dd>{cohort.startDate}</dd>
              <dt>Current Status</dt>
               <dd>{cohort.currentStatus}</dd>
               <dt>Coach</dt>
             <dd>{cohort.coachName}</dd>
              <dt>Trainer</dt>
<dd>{dt>{cohort.trainerName}</dd></dd>
       export default CohortDetails;
                                                                                           Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript
```

## **Cohorts Details**

# INTADMDF10 - .NET FSD Started On

22-Feb-2022 Current Status Scheduled Coach

Aathma **Trainer** 

Jojo Jose

## CDE22JF011 - Java FSD

ADM21JF014 - Java FSD

10-Sep-2021

Started On

Coach

Trainer

**Current Status** 

Ongoing

Apoorv

Elisa Smith

Started On 24-Dec-2021 Current Status Ongoing Coach

## CDBJF21025 - Java FSD

Started On 24-Dec-2021 Current Status Ongoing Coach Aathma

Trainer John Doe

## INTADMJF12 - Java FSD

Started On 22-Feb-2022 Current Status Scheduled Coach

# INTADMDF09 - Dataware Housing

Started On 22-Feb-2022 Current Status Scheduled Coach