**React**

**Handson3 ReactJS-HOL**

**Source Code**

**Step 1: Create the React App**

Open Command Prompt and run:

npx create-react-app scorecalculatorapp

This creates the project folder with all necessary React files.

**Step 2: Change the Port to 3005**

1. Go to the project folder:

cd scorecalculatorapp

1. Create a new file named .env inside the scorecalculatorapp folder.
2. Add this line to the .env file:

PORT=3005

This tells React to run the app on **port 3005** instead of 3000.

**Step 3: Open the Project in VS Code**

**Step 4: Create a Folder for Components**

1. Inside the src folder, create a new folder named:

Components

1. Inside Components, create a new file named:

CalculateScore.js

**Step 5: Add Code to CalculateScore.js**

import React from 'react';

import './Stylesheets/mystyle.css';

//import '../Stylesheets/mystyle.css'; // ✅ Make sure this path is exactly correct

function CalculateScore(props) {

  const average = props.Total / props.Goal;

  return (

    <div className="score-card">

      <h2>Student Score Calculator</h2>

      <p><strong>Name:</strong> {props.Name}</p>

      <p><strong>School:</strong> {props.School}</p>

      <p><strong>Total Marks:</strong> {props.Total}</p>

      <p><strong>Number of Subjects:</strong> {props.Goal}</p>

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

    </div>

  );

}

export default CalculateScore;

**Step 6: Create a Folder for CSS Styles**

1. Inside the src folder, create a new folder named:

Stylesheets

1. Inside Stylesheets, create a file named:

mystyle.css

1. Add the following CSS code to mystyle.css:

.score-card {

  border: 2px solid #4CAF50;

  padding: 20px;

  border-radius: 10px;

  background-color: #f9f9f9;

  width: 400px;

  margin: 30px auto;

  font-family: Arial, sans-serif;

}

.score-card h2 {

  color: #4CAF50;

  text-align: center;

}

.average {

  font-weight: bold;

  color: blue;

}

**Step 7: Edit App.js to Use the Component**

Open src/App.js and replace all the code with:

import React from 'react';

import './App.css';

import CalculateScore from './Components/CalculateScore';

function App() {

  return (

    <div className="App">

      <CalculateScore Name=”Himaja" School="XYZ High School" Total={425} Goal={5} />

    </div>

  );

}

export default App;

**Step 8: Run the React App**

In the terminal, inside the project folder, type:

npm start

Your browser will automatically open:

<http://localhost:3005>

**OUTPUT:**

