**WEEK-6**

**React JS Handson-3**

* I created a new React app named scorecalculatorapp using the terminal in Visual Studio Code. This set up all the files and folders needed for a React project.
* Inside the src folder, I made a new folder called Components to organize my React components.
* In the Components folder, I added a new file named CalculateScore.js. This is where I wrote the logic to calculate and display the average score of a student.
* Inside CalculateScore.js, I created a function component that takes in student details like name, school, total score, and goal, then calculates the average score and shows it.
* I also created a Stylesheets folder inside src and added a CSS file called mystyle.css. This file is used to style the components (like headings, text, etc.).
* In the CSS file, I wrote some basic styles to improve the look of the content such as fonts, colors, and alignment.
* Then I opened App.js and imported the CalculateScore component. I added this component inside the App function so it can be shown on the web page.
* After that, I saved all the files and opened the terminal inside Visual Studio Code to start the project using the React start command.
* I launched my browser and typed http://localhost:3000 to view the app running live.
* The final result showed the student’s name, school, total marks, goal, and average score nicely on the screen, with the applied styles.

**CalculateScore.js**

import React from 'react';

import '../StyleSheets/mystyle.css';

const percentToDecimal = (decimal) => {

  return (decimal.toFixed(2) + '%');

};

const calcScore = (total, goal) => {

  if (!goal || goal === 0) return 'Invalid Goal';

  return percentToDecimal(total / goal);

};

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

  return (

    <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} Marks</span>

      </div>

      <div className="Score">

        <b>Score:</b>

        <span> {calcScore(total, goal)}</span>

      </div>

    </div>

  );

};

export default CalculateScore;

**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;



