**React Hands On 3**

**Step 1:**

Open cmd and type

npm install –g create-react-app

**Step 2:**

Then type

Npx create-react-app scorecalculatorapp

**Step 3:**

Then navigate to that app and open it in vscode using

Code .

**Step 4:**

Create a new Folder in src called Components and create three files as follows:

CalculateScore.js

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 style={{ color: 'brown' }}>Student Details:</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>

);

**Step 5:**

Create another folder called stylesheets and create a file mystylesheet.css

.Name {

  font-weight: 300;

  color: blue;

}

.School {

  color: crimson;

}

.Total {

  color: darkmagenta;

}

.Score {

  color: forestgreen;

}

.formatstyle {

  text-align: center;

  font-size: large;

}

**Step 6:**

Edit the App.js as follows

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

function App() {

  return (

    <div>

      <CalculateScore

        Name={"Alice"}

        School={"Good Shepherd Matriculation Higher Secondary School"}

        total={511}

        goal={600}

      />

    </div>

  );

}

export default App;

**Step 7:**

In the cmd type npm start to get the following output

