## **3. ReactJS-HOL**

**Create a react app for Student Management Portal named scorecalculatorapp and create a function component named “CalculateScore” which will accept Name, School, Total and goal in order to calculate the average score of a student and display the same.**

1. Create a React project named “scorecalculatorapp” type the following command in terminal of Visual studio:

C:>npx create-react-app scorecalculatorapp

1. Create a new folder under Src folder with the name “Components”. Add a new file named “CalculateScore.js”
2. Type the following code in CalculateScore.js

**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>

);

1. Create a Folder named Stylesheets and add a file named “mystyle.css” in order to add some styles to the components:

**mystyle.css**

Name

{

font-weight:300;

color:blue;

}

School

{

color:crimson;

}

Total

{

color:darkmagenta;

}

.formatstyle

{

text-align:center;

font-size:large;

}

Score

{

color:forestgreen;

}

1. Edit the App.js to invoke the CalculateScore functional component as follows:

**App.js**

import (CalculateScore} from '../src/components/CalculateScore';

function App()

{

return(

<div>

<CalculateScore Name="Vignesh"}

School={"DNV Public School"}

total={284}

goal=(3)

/>

</div>

{

export default App;

1. In command Prompt, navigate into scorecalculatorapp and execute the code by typing the following command:

C:\scorecalculatorapp>npm start

1. Open browser and type “localhost:3000” in the address bar:

**Output**

