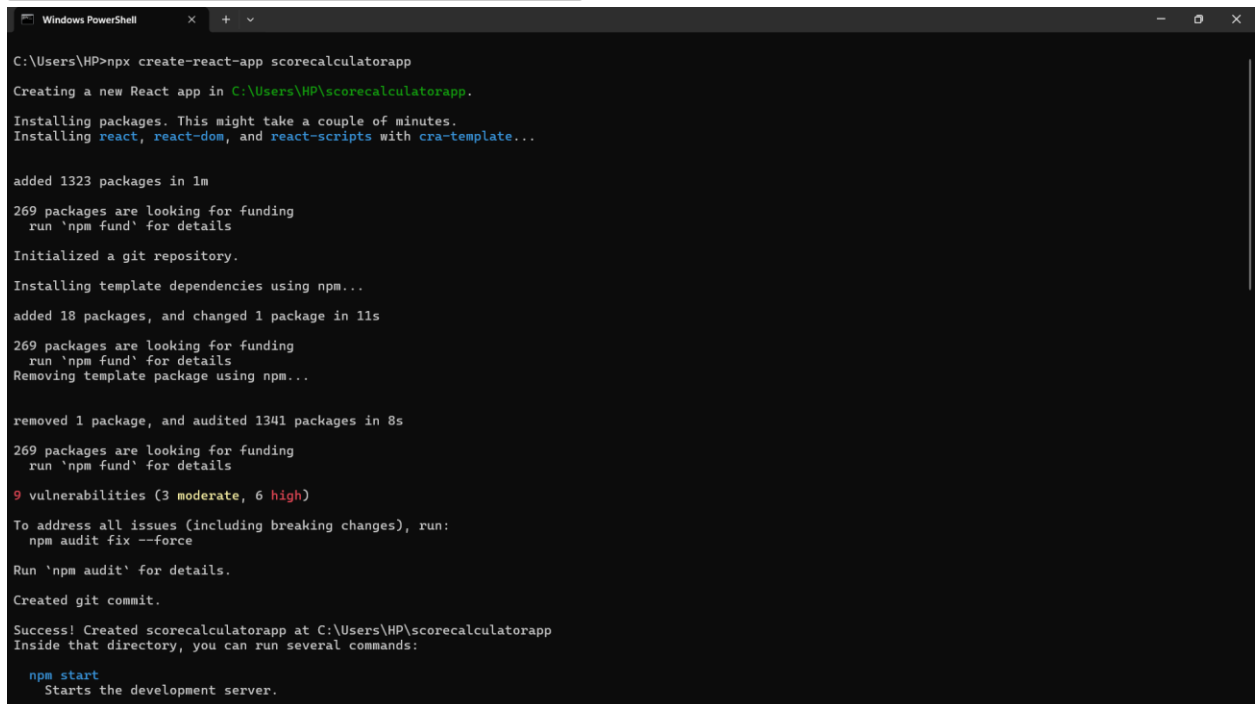


Create a react app for Student Management Portal named scorecalculatorapp and create a function component named “CalculateScore” which will accept Name, School, Total and goal in order to calculate the average score of a student and display the same.

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

```
C:>npx create-react-app scorecalculatorapp
```



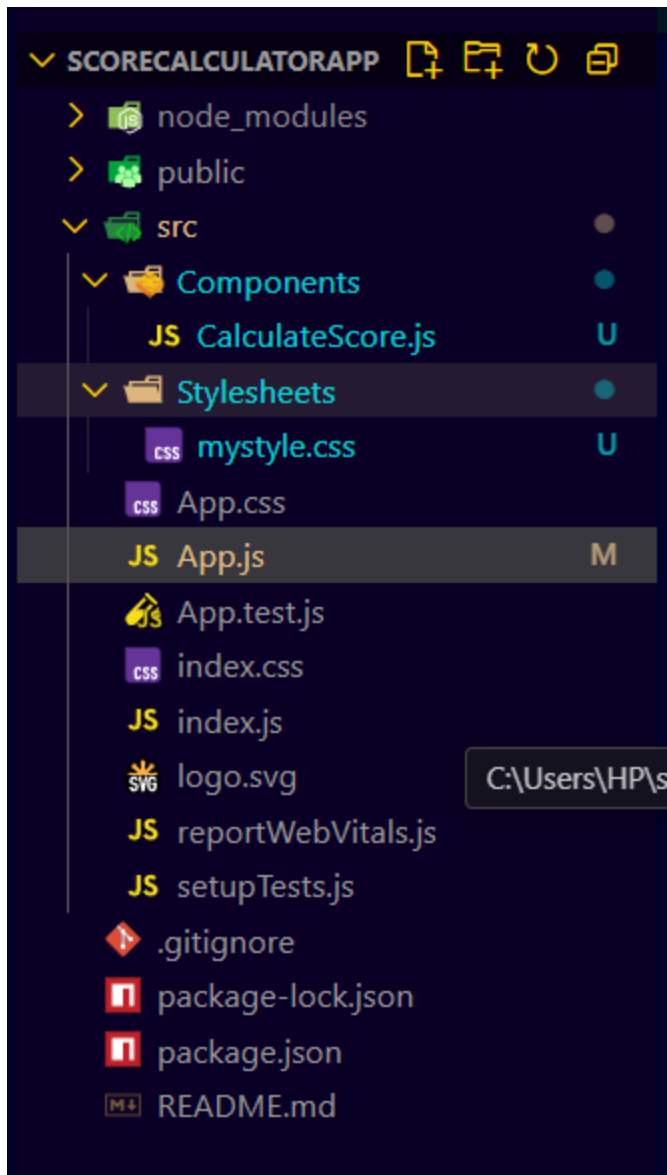
```
Windows PowerShell
C:\Users\HP>npx create-react-app scorecalculatorapp
Creating a new React app in C:\Users\HP\scorecalculatorapp.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1323 packages in 1m
269 packages are looking for funding
  run `npm fund` for details
Initialized a git repository.
Installing template dependencies using npm...
added 18 packages, and changed 1 package in 11s
269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...

removed 1 package, and audited 1341 packages in 8s
269 packages are looking for funding
  run `npm fund` for details
9 vulnerabilities (3 moderate, 6 high)
To address all issues (including breaking changes), run:
  npm audit fix --force
Run `npm audit` for details.
Created git commit.
Success! Created scorecalculatorapp at C:\Users\HP\scorecalculatorapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.
```

2. Create a new folder under Src folder with the name “Components”. Add a new file named “CalculateScore.js”



- 3.
4. Type the following code in CalculateScore.js

```
import '../Stylesheets/mystyle.css'

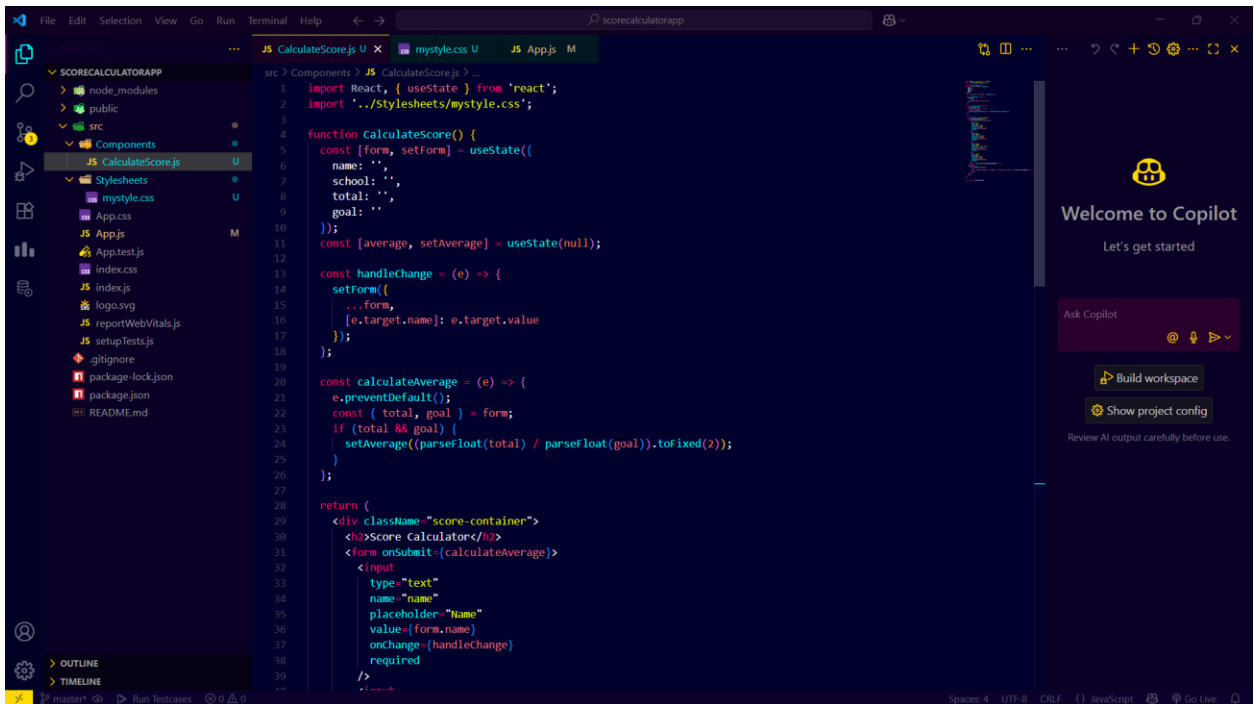
const percentToDecimal= (decimal) => {
  return (decimal.toFixed(2) + '%')
}

const calcScore = (total, goal) => {
  return percentToDecimal(total/goal)
}
```

```

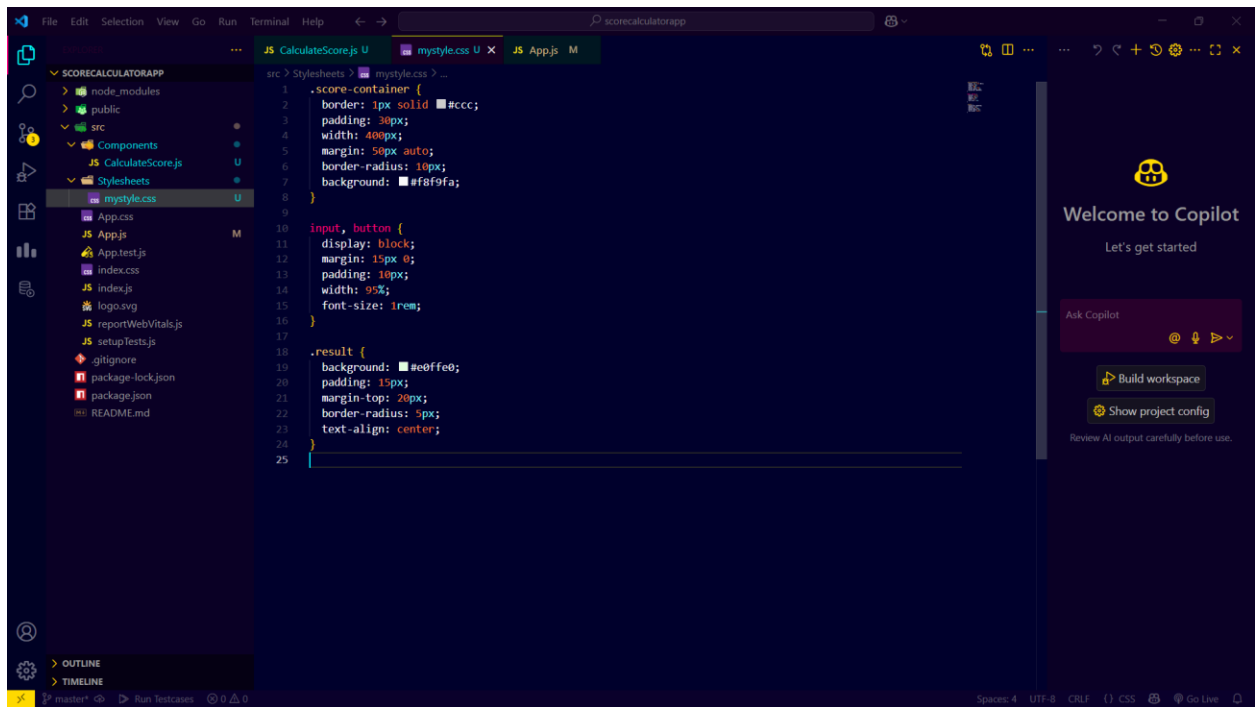
export const CalculateScore = ({Name, School, total, goal}) => (
  <div className="formatstyle">
    <h1><font color="Brown">Student Details:</font></h1>
    <div className="Name">
      <b> <span> Name: </span> </b>
      <span>{Name}</span>
    </div>
    <div className="School">
      <b> <span> School: </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>
)

```



5. Create a Folder named Stylesheets and add a file named "mystyle.css" in order to add some styles to the components:

```
.Name
{
  font-weight:300;
  color:blue;
}
.School
{
  color:crimson;
}
.Total
{
  color:darkmagenta;
}
.formatstyle
{
  text-align:center;
  font-size:large;
}
.Score
{
  color:forestgreen;
}
```



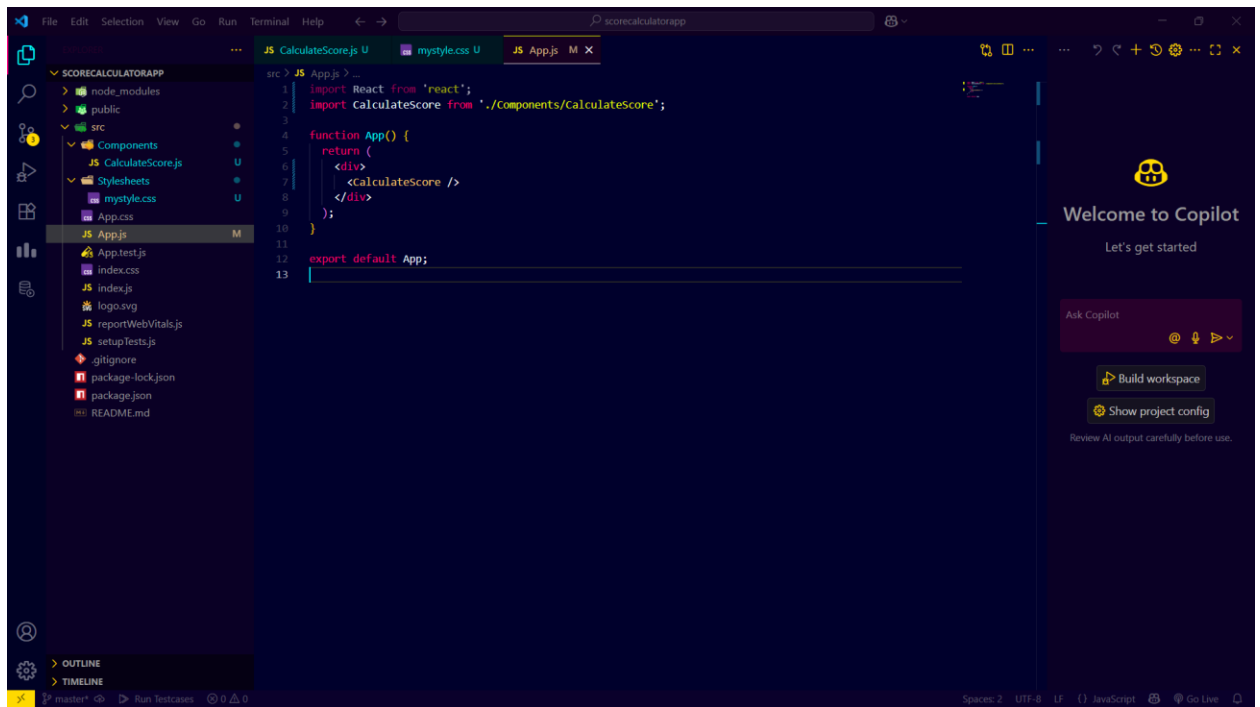
6. Edit the App.js to invoke the CalculateScore functional component as follows:

```
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;
```



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

```
C:\scorecalculatorapp>npm start
```

```
cd scorecalculatorapp
npm start

Happy hacking!

C:\Users\HP>cd C:\Users\HP\scorecalculatorapp

C:\Users\HP\scorecalculatorapp>npm start

> scorecalculatorapp@0.1.0 start
> react-scripts start

(node:22904) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use 'onBeforeSetupMiddleware' option.
(node:22904) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use 'onBeforeSetupMiddleware' option.
Starting the development server...
Compiled successfully!

You can now view scorecalculatorapp in the browser.

Local:            http://localhost:3000
On Your Network:  http://192.168.211.159:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

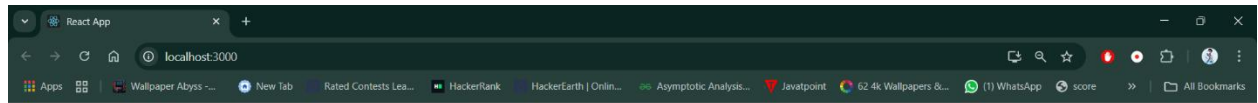
webpack compiled successfully
```

8. Open browser and type "localhost:3000" in the address bar:



## Student Details:

Name: Steeve  
School: DNV Public School  
Total: 284Marks  
Score: 94.67%



### Score Calculator

Lingaraj Nayak from C V Raman Global University  
scored an average of 0.93.

## Submitted By:

Name : Lingaraj Nayak

Superset ID : 6387607