

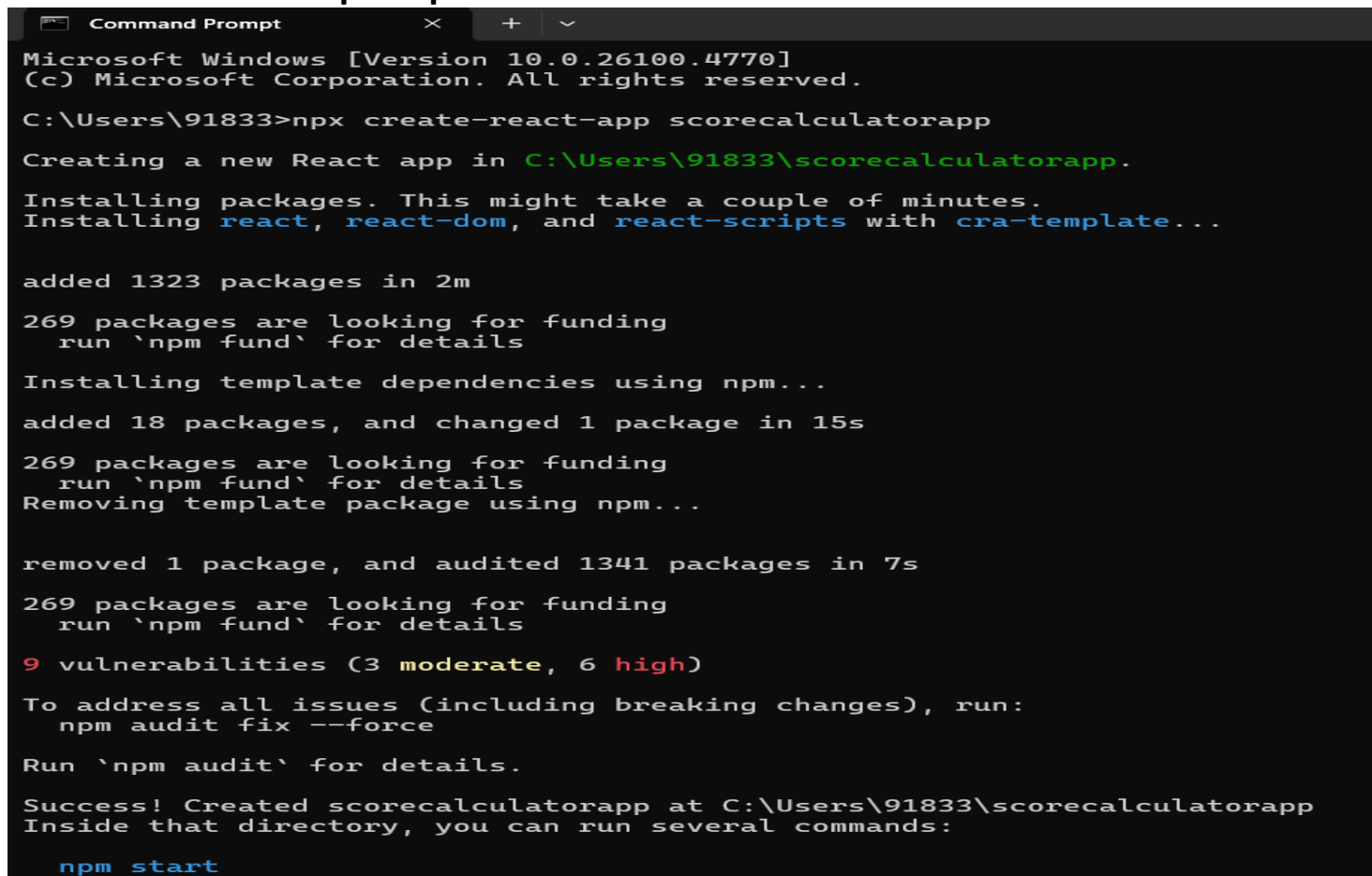
### 3. ReactJS-HOL From React Folder:

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

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

#### Pic From Command prompt:



```
Command Prompt
Microsoft Windows [Version 10.0.26100.4770]
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C:\Users\91833>npx create-react-app scorecalculatorapp

Creating a new React app in C:\Users\91833\scorecalculatorapp.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1323 packages in 2m
269 packages are looking for funding
  run `npm fund` for details
Installing template dependencies using npm...
added 18 packages, and changed 1 package in 15s
269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...

removed 1 package, and audited 1341 packages in 7s
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.

Success! Created scorecalculatorapp at C:\Users\91833\scorecalculatorapp
Inside that directory, you can run several commands:

  npm start
```

```
Success! Created scorecalculatorapp at C:\Users\91833\scorecalculatorapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd scorecalculatorapp
  npm start

Happy hacking!
```

- ➔ Create Components folder in the src .
- ➔ In that components file create file calculateScore.js.
- ➔ Now create a folder Stylesheets.
- ➔ In this folder create file Mystyle.css

## CalculateScore.js:

```
src > Components > JS CalculateScore.js > ...
1  import '../Stylesheets/Mystyle.css';
2
3  const percentToDecimal = (decimal) => {
4    return decimal.toFixed(2) + '%';
5  };
6
7  const calcScore = (total, goal) => {
8    return percentToDecimal(total / goal);
9  };
10
11 export const CalculateScore = ({ Name, School, total, goal }) => (
12   <div className="formatstyle">
13     <h1 style={{ color: 'brown' }}>Student Details:</h1>
14
15     <div className="Name">
16       <b>Name:</b> <span>{Name}</span>
17     </div>
18
19     <div className="School">
20       <b>School:</b> <span>{School}</span>
21     </div>
22
23     <div className="Total">
24       <b>Total:</b> <span>{total}</span> Marks
25     </div>
26
27     <div className="Score">
28       <b>Score:</b> <span>{calcScore(total, goal)}</span>
29     </div>
30   </div>
31 );
32
```

## Mystyle.css:

```
src > Stylesheets > # Mystyle.css > ...
1  .Name {
2    font-weight: 300;
3    color: blue;
4  }
5
6  .School {
7    color: crimson;
8  }
9
10 .Total {
11   color: darkmagenta;
12 }
13
14 .Score {
15   color: forestgreen;
16 }
17
18 .formatstyle {
19   text-align: center;
20   font-size: large;
21   font-family: Arial, sans-serif;
22 }
23
```

Change the code in App.js:

```
> JS App.js > ...
1  import { CalculateScore } from './Components/CalculateScore';
2
3  function App() {
4    return (
5      <div>
6        <CalculateScore
7          Name="Sruthi"
8          School="KLU"
9          total={450}
10         goal={5}
11       />
12     </div>
13   );
14 }
15
16 export default App;
```

Run The code:

npm start

```
You can now view scorecalculatorapp in the browser.

Local:          http://localhost:3002
On Your Network: http://192.168.75.1:3002

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

webpack compiled successfully
█
```

output:



## Student Details:

Name: Sruthi  
School: KLU  
Total: 450 Marks  
Score: 90.00%