2. ReactJS-HOL From React Folder

1. Create a React project named "StudentApp" type the following command in terminal of Visual studio:

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

Output from command prompt:

```
C:\Users\91833>npx create-react-app studentapp

Creating a new React app in C:\Users\91833\studentapp.

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 10s

269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...


removed 1 package, and audited 1341 packages in 6s

269 packages are looking for funding
  run `npm fund` for details

9 vulnerabilities (3 moderate, 6 high)
```

```
Success! Created studentapp at C:\Users\91833\studentapp
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 studentapp
  npm start

Happy hacking!
```

Create the folder Components under src and in the components folder create the Home.js , About.js, Contact.js

Home.js :

```
JS Home.js    ✕    JS About.js        JS Contact.js        JS App.js

src > Components > JS Home.js > ...
  1     import React from 'react';
  2
  3     function Home() {
  4       return (
  5         <div>
  6           <h2>Welcome to the Home page of Student Management Portal</h2>
  7         </div>
  8       );
  9     }
 10
 11     export default Home;
 12
```

About.js:

```
JS Home.js        JS About.js    ✕    JS Contact.js        JS App.js

src > Components > JS About.js > ⊘ About
  1     import React from 'react';
  2
  3     function About() {
  4       return (
  5         <div>
  6           <h2>Welcome to the About page of the Student Management Portal</h2>
  7         </div>
  8       );
  9     }
 10
 11     export default About;
 12
```

Contact.js:

```
c > Components > JS Contact.js > ...
  1     import React from 'react';
  2
  3     function Contact() {
  4       return (
  5         <div>
  6           <h2>Welcome to the Contact page of the Student Management Portal</h2>
  7         </div>
  8       );
  9     }
 10
 11     export default Contact;
 12
```

Now Replace the App.js code:

```
Home.js          JS About.js          JS Contact.js          JS App.js          X

> JS App.js > ...
1    import React from 'react';
2    import Home from './Components/Home';
3    import About from './Components/About';
4    import Contact from './Components/Contact';
5
6    function App() {
7      return (
8        <div>
9          <Home />
10         <About />
11         <Contact />
12       </div>
13     );
14   }
15
16   export default App;
17
```

Run the studentApp in terminal:

npm start

```
PROBLEMS     OUTPUT     DEBUG CONSOLE     TERMINAL     PORTS

Compiled successfully!

You can now view studentapp in the browser.

  Local:              http://localhost:3000
  On Your Network:    http://192.168.75.1:3000

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

webpack compiled successfully
```
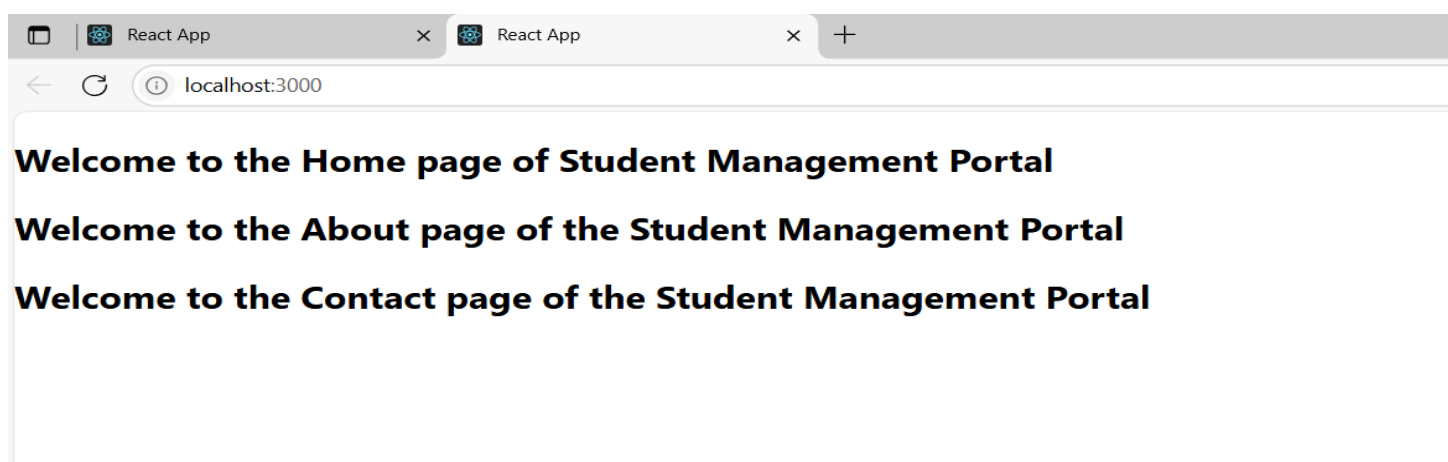
Output:

```
☐  | 🔷 React App          ×  🔷 React App          ×  +

←  C  ⓘ localhost:3000
```

Welcome to the Home page of Student Management Portal

Welcome to the About page of the Student Management Portal

Welcome to the Contact page of the Student Management Portal