**2. Creating a Student Management Portal using React**

**Objective:**

To create a react application named studentapp that has 3 components:

1. **Home:**

Displays - Welcome to the Home Page of Student Management Portal.

1. **About:**

Displays - Welcome to the About Page of Student Management Portal.

1. **Contact:**

Displays -Welcome to the contact Page of Student Management Portal.

**Software Requirements**:

* Node.js and npm
* Visual Studio Code
* Web browser

**Procedure for creating studentapp**:

Step1: Create a new React Application.

Open the command prompt and execute below command.

i.e.,

|  |
| --- |
| npx create-react-app studentapp |

Step2: Create Components Folder.

Open the react app and create anew folder in src i.e., components.

Step3: Create Required Components:

1. Home Component

Inside src/components folder, create Home.js

i.e.,

|  |
| --- |
| import React from 'react';  function Home () {  return (  <div>  <h2>Welcome to the Home page of Student Management Portal</h2>  </div>  );  }  export default Home; |

1. Create About Component.

Inside src/components create a new file called About.js

i.e.,

|  |
| --- |
| import React from 'react';  function About () {  return (  <div>  <h2>Welcome to the About page of the Student Management Portal</h2>  </div>  );  }  export default About; |

1. Create Contact component.

Inside src/components create About.js

i.e.,

|  |
| --- |
| import React from 'react';  function Contact () {  return (  <div>  <h2>Welcome to the Contact page of the Student Management Portal</h2>  </div>  );  }  export default Contact; |

Step4: Modify the App.js file.

i.e.,

App.js

|  |
| --- |
| import React from 'react';  import Home from './Components/Home';  import About from './Components/About';  import Contact from './Components/Contact';  function App () {  return (  <div className="App">  <Home />  <About />  <Contact />  </div>  );  }  export default App; |

Step7: Run the Application.

Open the terminal and run the below command.

|  |
| --- |
| npm start |

The development server starts automatically.

Expected output:

