**Ex 2 :**

**What are React Components?**

React Components are **reusable blocks of code** used to build UI elements.

**Components vs JavaScript Functions**

| **Feature** | **React Component** | **JS Function** |
| --- | --- | --- |
| Purpose | UI building block | General logic |
| Returns | JSX / HTML | Data / Value |
| Lifecycle methods | Yes (class components) | No |

**Types of Components**

1. **Class Components**
2. **Function Components**

**Class Component**

Uses class and must include:

* A constructor (optional)
* A render() method to return JSX

**Function Component**

Simpler. A JavaScript function that returns JSX.

**Code :**

**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 style={{ textAlign: 'center', marginTop: '50px' }}>

      <Home />

      <About />

      <Contact />

    </div>

  );

}

export default App;

**About.js**

import React, { Component } from 'react';

class About extends Component {

  render() {

    return (

      <h2>Welcome to the About page of the Student Management Portal</h2>

    );

  }

}

export default About;

**Contact.js**

import React, { Component } from 'react';

class Contact extends Component {

  render() {

    return (

      <h2>Welcome to the Contact page of the Student Management Portal</h2>

    );

  }

}

export default Contact;

**Home.js**

import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <h2>Welcome to the Home page of Student Management Portal</h2>

    );

  }

}

export default Home;

**Output :**

