**SOLUTION:**

1. Explain React components

React components are reusable, independent pieces of UI that return JSX elements to be rendered on the screen.

2. Identify the differences between components and JavaScript functions

React components return JSX and manage UI, while regular JS functions perform logic and return values without UI context.

3. Identify the types of components

Two main types: Class components and Function components.

4. Explain class component

A class component is a React component defined using ES6 classes and can use lifecycle methods and state.

5. Explain function component

A function component is a simpler React component defined as a JavaScript function, often using Hooks for state and logic.

6. Define component constructor

The constructor is a special method in class components used to initialize state and bind methods.

7. Define render() function

The render() method in class components returns the JSX that should be displayed on the screen.

Home.js:

import React, { Component } from 'react';

class Home extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the Home Page of Student Management Portal </h3>

      </div>

    );

  }

}

export default Home;

Contact.js:

import React, { Component } from 'react';

class Contact extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the Contact Page of Student Management Portal </h3>

      </div>

    );

  }

}

export default Contact;

About.js:

import React, { Component } from 'react';

class About extends Component {

  render() {

    return (

      <div>

        <h3>Welcome to the About Page of Student Management Portal </h3>

      </div>

    );

  }

}

export default About;

OUTPUT:

