```jsx
//COMPONENTS
//ROOT
import './App.css'
import Flower from './Flower';
import { SunFlower } from './Flower';

function App() {

  return (
    <div>
      <h1>Hello, React!</h1>
      <p>This is my first component</p>
      <Flower/>
      <SunFlower/>
    </div>
  );
}

export default App;

//FLOWER.JSX:
import Sunflower from './assets/Sunflower.jpg';
import whiteRose from './assets/whiteRose.jpg';
import lotus from './assets/lotus.jpg';

//named exports
 export function SunFlower(){
  return (
  <img src={Sunflower}/>
  );
}

function Rose(){
  return <img src={whiteRose}/>;
}

function Lotus(){
    return(
        <>
```

```jsx
            <h1>Lotus</h1>
            <img src={lotus} alt="lotus" className="lotus"/>
            <h2>Facts:</h2>
            <ul>
                <li>National flower of India</li>
                <li>Only plant to flower and fruit at the same time</li>
                <li>Only found in two colors that are Pink and white</li>
            </ul>
        </>
    )
}
//default export
function Flower(){
    return(
      <div>
        <Lotus/>
        <Rose/>
      </div>
    )
  }

export default Flower;


//markup with jsx

function Lotus(){
    return(
        <>
            <h1>Lotus</h1>
            <img src={lotus} alt="lotus" className="lotus"/>
            <h2>Facts:</h2>
            <ul>
                <li>National flower of India</li>
                <li>Only plant to flower and fruit at the same time</li>
                <li>Only found in two colors that are Pink and white</li>
            </ul>
        </>
    )
}
```

```jsx
//JAVASCRIPT IN JSX
function Employees(){
    const name = "Rahul";

    //javascript object
    const employee = {
        department: "IT",
        age: 22,
        address: "BBSR"
    }
    return(
        <div style={
            {
                border: "1px solid black",
                padding: "10px",
                margin: "10px",
                backgroundColor: "lightblue",
                color:"black"
            }
        }>
            <h1>Student details</h1>
            <h2>Name: {name}</h2>
            <p>Department: {employee.department}</p>
            <p>Age: {employee.age}</p>
            <p>Address: {employee.address}</p>
        </div>
    );
}

export default Employees;



//PASSING PROPS

function Employees(props){

    return(
        <div style={
```

```jsx
            {
                border: "1px solid black",
                padding: "10px",
                margin: "10px",
                backgroundColor: "lightblue",
                color:"black"
            }
        }>
            <h1>Student details</h1>
            <h2>Name: {props.name}</h2>
            <p>Department: {props.department}</p>
            <p>Age: {props.age}</p>
            <p>Address: {props.address}</p>
        </div>
    );
}

export default Employees;
//app.jsx:
import './App.css';
import Employees from './Employee';

function App() {

  return (
    <div>
      <Employees
        name="Rahul"
        age="25"
        department="IT"
        address="BBSR"
      />
      <Employees
        name="Sanjay"
        age="22"
        department="Analytics"
        address="Pune"
      />

    </div>
```

```jsx
  );
}

export default App;

//conditional rendering

function LoginStatus({ isLoggedIn }) {
  return isLoggedIn ? <p>Present</p> : <p>Absent</p>;
}

function Employees({ name, age, department = "BSW", isLoggedIn }) {
  return (
    <div
      style={{
        border: "1px solid black",
        padding: "10px",
        margin: "10px",
        backgroundColor: "lightblue",
        color: "black"
      }}
    >
      <h1>Student details</h1>
      <h2>Name: {name}</h2>
      <p>Department: {department}</p>
      <p>Age: {age}</p>
      <LoginStatus isLoggedIn={isLoggedIn} />
    </div>
  );
}

export default Employees;

//Event handlening
function MyButton() {
  function handleClick() {
    alert('You clicked me!');
  }

  return (
```

```
    <button onClick={handleClick}>
      Click me
    </button>
  );
}
```