



1. How would you set up a new React project using tools like Create React App or Vite?

Using Create React App. :  
npx create-react-app my-app  
cd my-app  
npm start

Using Vite:

```
npm create vite@latest my-app  
cd dashboard  
npm install  
npm run dev
```

## 2. What is the role of **package . j s o n** in a React project?

**package . j s o n** stores project information, dependencies, and scripts used to run, build, and test the React application.

## 3. How do you create a functional component in React?

```
function MyComponent() {  
  return <h1>Hello</h1>;  
}
```

```
export default MyComponent;
```

4. How are components rendered inside the main App component?

```
import MyComponent from "../MyComponent";
```

```
function App() {  
  return <MyComponent />;  
}
```

5. What are the benefits of breaking the UI into small reusable components?

It improves reusability and makes the code easier to maintain and debug.

It also helps teams work on different parts of the UI independently.