### Front-end Using React, Angular JS

1. Create a React component to display "Hello, World!" using JSX.

```
function HelloWorld() {
  return <h1>Hello, World!</h1>;
}
```

2. Create a React component to display your name and age using props.

```
function UserInfo(props) {
  return Name: {props.name}, Age: {props.age};
}
```

3. Write a React component to display a simple unordered list of three hobbies.

```
function HobbiesList() {
  return (

      Reading
      Gaming
      Traveling

    );
}
```

4. Create a component with a button that increments a counter on click.

```
function Counter() {
  const [count, setCount] = useState(0);
  return (
  <div>
        Count: {count}
        <button onClick={() => setCount(count + 1)}>Increment</button>
        </div>
    );
}
```

5. Implement a simple toggle button using React state.

```
function ToggleButton() {
  const [isOn, setIsOn] = useState(true);
  return (
  <button onClick={() => setIsOn(!isOn)}>
      {isOn ? 'ON' : 'OFF'}
  </button>
  );
}
```

## 6. Create a component that takes user input and displays it below the input field.

#### 7. Set up React Router and create routes for "Home" and "About" pages.

#### 8. Create a navigation bar using Link from React Router.

#### 9. Implement a 404 page for undefined routes in React.

```
<Route path="*" element={<h1>404 Not Found</h1>} />
```

# 10. Write a simple React app demonstrating the use of useEffect to fetch and display placeholder data.

```
function DataFetcher() {
  const [data, setData] = useState([]);
```

#### 11. Create a component using useRef to focus on an input field on button click.

#### 12. Implement React Context to pass a theme value between two components.

const ThemeContext = createContext();

#### 13. Create a basic Angular component that displays "Welcome to Angular".

```
// app.component.ts
export class AppComponent {
  title = 'Welcome to Angular';
}
```

```
// app.component.html
<h1>{{ title }}</h1>
```

#### 14. Use Angular interpolation to display the current date.

```
// app.component.ts
export class AppComponent {
  today = new Date();
}

// app.component.html
{{ today }}
```

# 15. Create an Angular template with a button that changes a text value when clicked.

```
// app.component.ts
export class AppComponent {
  message = 'Hello';
  changeMessage() {
   this.message = 'You clicked the button!';
  }
}

// app.component.html
{{ message }}
<button (click)="changeMessage()">Click Me</button>
```