

Experiment : 7

Input : (Component1.js , Component2.js, App.js , index.js)

Component1.js

```
JS index.js JS App.js JS Component1.js X
src > JS Component1.js > ...
1  import React from 'react'
2
3  function Component1() {
4    return (
5      <div>
6        <h1>Hi Mahesh</h1>
7      </div>
8    )
9  }
10
11 export default Component1
```

Component2.js

```
JS index.js JS App.js JS Component2.js X
src > JS Component2.js > ...
1  import React from 'react'
2
3  function Component2() {
4    return (
5      <div>
6        <h1>Hi Guest</h1>
7      </div>
8    )
9  }
10
11 export default Component2
```

Conditional Rendering

1. If else :

```
JS index.js JS App.js X JS Component2.js
src > JS App.js > ...
1  import logo from './logo.svg';
2  import './App.css';
3  import Component1 from './Component1';
4  import Component2 from './Component2';
5
6  function App() {
7    const name = "Mahesh";
8    if (name == "Mahesh") {
9      return <Component1 />
10   }
11   else {
12     return <Component2 />
13   }
14 }
15
16 export default App;
```

Output :

React Conditional Rendering Examples

Select Conditional Rendering Method

If-Else Statement

Logical && Operator

Ternary Operator (Age Check)

Ternary Operator (Component)

Current Example: ifelse

Hi Mahesh

```
// If-else conditional rendering
if (name === "Mahesh") {
  return <Component1 />;
} else {
  return <Component2 />;
}
```

2. && operator

```
JS index.js JS App.js X JS Component2.js
src > JS App.js > ...
  1  import logo from './logo.svg';
  2  import './App.css';
  3  import Component1 from './Component1';
  4  import Component2 from './Component2';
  5
  6  function App() {
  7    const name = "Mahesh";
  8    return (
  9      <div>
10      |   { name == "Mahesh" && <h1> Hello Mahesh</h1>}
11      |   </div>
12      )
13  }
14
15  export default App;
```

Output :

React Conditional Rendering Examples

Select Conditional Rendering Method

If-Else Statement Logical && Operator Ternary Operator (Age Check) Ternary Operator (Component)

Current Example: logical

Hello Mahesh

```
// Logical && operator
{ name === "Mahesh" && <h1>Hello Mahesh</h1> }
```

3. Ternary operator

```
JS index.js JS App.js X JS Component2.js
src > JS App.js > ...
1  import logo from './logo.svg';
2  import './App.css';
3  import Component1 from './Component1';
4  import Component2 from './Component2';
5
6  function App() {
7    const name = "Mahesh";
8    const age = 15;
9    return (
10     <div>
11       { age >= 18 ? <h1>You can Vote</h1> : <h1> You can not Vote</h1>}
12     </div>
13   )
14 }
15
16 export default App;
```

Output :

React Conditional Rendering Examples

Select Conditional Rendering Method

If-Else Statement

Logical && Operator

Ternary Operator (Age Check)

Ternary Operator (Component)

Current Example: ternary1

You can not Vote

```
// Ternary operator with age check
{ age >= 18 ? <h1>You can Vote</h1> : <h1>You can not Vote</h1> }
```

```
JS index.js JS App.js X JS Component2.js
src > JS App.js > ...
1  import logo from './logo.svg';
2  import './App.css';
3  import Component1 from './Component1';
4  import Component2 from './Component2';
5
6  function App() {
7    const name = "Sahesh";
8    const age = 15;
9    return (
10     <div>
11       { name === "Mahesh" ? <Component1 /> : <Component2 />}
12     </div>
13   )
14 }
```

Output :

React Conditional Rendering Examples

Select Conditional Rendering Method

If-Else Statement Logical && Operator Ternary Operator (Age Check) Ternary Operator (Component)

Current Example: ternary2

Hi Guest

```
// Ternary operator with components
{ name === "Mahesh" ? <Component1 /> : <Component2 /> }
```