

React Fundamentals →

1 JSX (JavaScript XML)

→ It is a syntax extension for JavaScript that allow you to write HTML like code within JavaScript.

eg → `const ele = <h1> Hello </h1>;`

2 Components

→ Are the building blocks of a React applications. They are reusable and can be either fundamentals.

Function components →

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


Class component

```
class wel extends React.Component {  
  render() {  
    return <h1> Hello </h1>;  
  }  
}
```

3 props

↳ properties are read only attributes used to pass data from one component to another

eg →

```
function App() {  
  render() {  
    <div>  
      <welcome name="Naman" />  
    </div>  
  }  
}
```

```
function wel(props) {
```

```
  return return <h1> {props.name} </h1>;  
}
```


4 State

↳ State is a built-in object that stores property value that belong to the component when the state object changes, the component re-renders.

eg-→

```
function app() {
```

```
  const [count, setCount] = useState(0);
```

```
  const inc = () => {
```

```
    setCount(count + 1);
```

```
  };
```

```
  return (
```

```
    <button onClick={inc}>Inc (button)
```

```
    <h1> {count} </h1>
```

```
  );
```

```
}
```

```
export default app;
```