



REACT JS

React.js is an open-source Javascript library that performs data viewing with the help of HTML.

STATE

State allows us to **stores the local values** of our React component.

Initialization:

```
this.state =
{
  name: "Me",
  age: 10
}
```

Updating State:

```
this.setState(
{
  name: "You",
  age: 11
})
```

RENDER

Render allows us to **display the output** of our React component.

Render Function:

```
render(){
  return(
    <p>
      I'm {this.state.name}
      and I'm {this.state.age}
    </p>
  );
}
```

Call Render Function:

```
ReactDOM.render(
<Class />,
parentElement);
```

ES6

ECMAScript (Version 6) is used to **standardize Javascript**.

JSX

Javascript XML allows us to **write HTML in React**. It **converts HTML** into React elements.

COMPONENTS

Components are **independent** and **reusable** bits of code. They are used similarly to JavaScript functions. However, **they return HTML/JSX**.

useState

useEffect

useContext

HOOKS

Hooks allow **function components** to have access to **state** and **other React features**.

1

Can Only be Called Inside React Function Components

2

Can Only be Called at the Top Level of a Component

3

Hooks **Cannot** be **Conditional**

Jordan Walke created **FaxJs** (the early prototype of React)

2013

React Dev Tools became extension of Chrome Dev Tools

2015

Facebook announces **React Fiber**

2011

Jordan Walke introduced React at **JS ConfUS**

2014

React Native (enables React for native Android/iOS) becomes **open source**

2017

HISTORY

CLASS COMPONENTS

- Class Must Extend **React .Component**
 - Gives Component Access to **React.Component's** Functions
- Component Requires **Render()** Method
 - Returns **HTML/JSX**

FUNC COMPONENTS

- Behaves Similarly to Class Component
- Can Be Written with Less Code
- Easier to Understand
- Just a **Function** that Returns **HTML/JSX**