**React notes**

**How to create a react app:**

* **npx create-react-app app-name**

npx means node package execute

* **cd app-name**
* **npm start**

npm means node package manager.

**Components:**

React apps have various components. Components refers to various functionalities of the app. Such as showing a picture, adding friend etc. Components are of two types:

1. functional components 🡪 when js function is used
2. class components 🡪 when js class is used

**JSX:**

* stands for Javascript XML
* looks like HTML
* tag has tag name, attribute etc.
* ultimately convert into Javascript, which is read by the browser.
* Supports style
* Support regular Javascript expression
* Provides you space for comment

**Props:**

When different values are used in a component while using it multiple times, props is used. It is like passing parameters in methods in java.

**React states:**

* State is a place where data comes from.
* State object is where you store property values. For example, address can be a state object and it can have properties like house no, post office etc.
* When the state object changes, the component re-renders.
* Try to make our state as simple as possible.
* To hold many components, we should create one container component.
* Props pass through the component, state stay within the component.
* Use as parameter, state declared inside function body.
* This. Props use, state use this.state

**DOM:**

Framework of working with document. DOM means Doccument Object Model. H1, title etc are object and model is how they are written

**React DOM:**

* render()
* hydrate()
* unmountComponentAtNode()
* findDOMNode()
* createPortal()