React basics-

What is JSX?

JavaScript Extension is an alternative of React.createElements. Its allows us to define React Elements using syntax that looks like html.

Example:

const element = React.createElements(‘h1’, null, ‘Hello, World’);

can be written in jsx as-

const element = <h1>Hello, World</h1>;

What is DOM and Virtual DOM?

DOM (Document Object Model) is an abstraction of a structured text, where html tags become nodes in the DOM. While html is a text and DOM is an in-memory representation of this text in the form of nodes. The DOM provide interface (API) to traverse and modify the nodes and it contains methods like get element by Id etc.

Virtual DOM is the abstraction of DOM.

React DOM

React relies heavily on virtual DOM to render elements into the browser DOM.