1. Introduction

* React is open source JS library by Facebook
* Latest version 16.x
* Component based architecture
* Components are reusable
* React is declarative - User should specify how the UI should look like
* Uses virtual dom – It’s like a blueprint for actual dom
* The application will be rendered on div tag “root” in index.html

1. Component

* Reusable, part of UI
* It can be nested
* Component is placed in a JS file
* Functional Component
  + Plain JS function
* Class Component
  + ES6 class which extends React Component
  + Render() returns html
* JSX - JavaScript XML
* JSX - Reduce the complexity with syntax

1. State and Props

* Props – It’s immutable
* State – To overcome the problem with props
* Props is passed to the component – state is managed within the component
* Never modify the state directly. Use this.setState() method instead
* Changing this.state.variable will not re render the component
* SetState() will re render the component
* Calls to setState() is asynchronous – In case if any statement to be executed only after the state change, use a call back method as second param in setState()
* React will group multiple setState() into single setState(). Because of this instead of changing this.state.variable always use prevState.