# **React Basic Questions**

Question 1. What is react.js?

Ans=> react is a front-end java script library developed by facebook in 2011

React is a front-end and open-source JavaScript library which is useful in developing user interfaces specifically for applications with a single page. It is helpful in building complex and reusable user interface(UI) components of mobile and web applications as it follows the component-based approach.

The important features of React are:

- It supports server-side rendering.
- It will make use of the virtual DOM rather than real DOM (Data Object Model) as RealDOM manipulations are expensive.
- It follows unidirectional data binding or data flow.
- It uses reusable or composable UI components for developing the view

Current version 17.0

Question 2. What is JSX?

Ans=> JSX is a short hand of java script XML it allo html code inside java script code directly

Question 3. What is component in react js?

Ans=> component is a simply class or function of java script that can be reuse and extend react class.

They should be independent to other functions for project .

Question 4. What is a state in react?

Ans=> state are the object which determine component rendering and behavior

We can use them as variable when state is updated render function re-render automatically

Question 5 . what is props in react?

Ans=> props are the parameters of the component with the help of pops we can share the data between components and they are read-only

### Question 6 what is stateful and stateless in react

#### Ans=>

#### Stateful=>

- 1. Stores info about components state change in memory
- 2. Have authority to change state
- 3. Contains the knowledge of past current an possible future change in state
- 4. Stateless components notify them about requirement of the state change then they send down the props to them

#### Stateless =>

- 1. Calculate the internal state of the components
- 2. Do not have the authority to change state
- 3. Contains no knowledge of past current and possible future state changes
- 4. They receive the props from the stateful components and treat them as callback function

# Question 7. Some of the life cycle methods?

## Ans=>

- 1. ComponentDidMount
- 2. componentDidUpdate
- 3. componentWillUnmount
- 4. shoulComponentUpdate