Q.1 What is React Js?

Ans : ReactJS is a JavaScript library used for building reusable UI components.

According React, sometimes referred to as a frontend JavaScript framework, is a JavaScript library created by Facebook.

React is a tool for building UI components.

Instead of manipulating the browser's DOM directly, React creates a virtual DOM in memory, where it does all the necessary manipulating, before making the changes in the browser DOM.

React is a JavaScript library for building user interfaces.

React is used to build single-page applications.

React allows us to create reusable UI components.

Q.2 What is NPM in React Js?

Ans : The command npm is used to download JavaScript packages from Node Package Manager, and npx is used to execute JavaScript packages downloaded this way. This command will download the NPM package create-react-app to a subdirectory of the current working directory named node\_modules : npm install create-react-app.

Q.3 What is Role of Node Js in react Js?

Ans : Using Node. js and React together empowers web applications to handle heavy server loads and requests. Therefore, it allows you to work easily throughout the development process.

Q.4 What is CLI command In React Js?

Ans : React has its own command-line interface commands. However, these CLI commands are currently only used to create a passable version of a react application using the command line.

Q.5 What is Components in React Js?

Ans : 1] Functional Components:

In simple words, For Shirt functionality  Functional components are javascript functions.

 By writing a javascript function, we can create a functional component in React Apps.

To make React app efficient, we use functional component only when we are sure that our component does not require to interact with any other components.

Functional components do not require data from other components.

2] Class Components

Class component work as ES6 and manage states in class component

Used for big functionality , The class components are similar to the functional component but has some additional features that makes class component a little more complex than the functional components.

The functional components do not care about the other components in your app whereas the class components can work with each other.

We can pass data from one class component to other class component.

Below shows an example of class component in React:

We can use props and argument

Q.6 What is Header and Content Components in React Js?

Ans : Content component represent different parts of a web page and contain both structure and behavior. They are similar to JavaScript functions and make creating and managing complex user interfaces easier by breaking them down into smaller, reusable pieces.

Headers are compositions that extend standard navbar functionalities. They contain additional components like a jumbotron, sub-navbar, or image covers which serve as a containers for extra navigation elements - usually links, forms, or call-to-action buttons.

Q.7 How to install React Js on Windows, Linux Operating System? How to Install NPM and How to check version of NPM?

Ans :

node.js & npm Install

To get an overview of what React is, you can write React code directly in HTML.

But in order to use React in production, you need NPM and Node.js installed.

If you have NPM and Node.js installed, you can create a React application by first installing the create-react-app.

npm stands for Node Package Manager. It's a library and registry for JavaScript software packages. npm also has command-line tools to help you install the different packages and manage their dependencies.

then check version

cmd : node -v

cmd: npm -v

Q.8 How to check version of React Js?

Ans : Using this command “ npm view react version “ we can check version of react JS.

Q.9 How to change in components of React Js?

Ans : We have to set initial state value inside constructor function and set click event handler of the element upon which click, results in changing state. Then pass the function to the click handler and change the state of the component inside the function using setState.

Q.10