# **MODULE: 7 React - Components, State, Props**

Q-1 What is React Js?

A-1 React is a JavaScript library created by Facebook. React is a User Interface (UI) library. React is a tool for building UI components

Q-2 What is NPM in React Js?

A-2 NPM is short for node package manager, an online directory that contains the various already registered open-source packages. NPM modules consume the various functions as a third-party package when installed into an app using the NPM command

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

A-3 NodeJS is a framework of JavaScript which is mainly used for working with the backend of our application or building the backend using JavaScript, whereas ReactJS is a JavaScript front-end library. It is mainly used for building the user interface or the frontend of our application.

Q-4 What is CLI command In React Js?

A-4 CLI is a command line program that accepts text input to execute operating system functions.

In the 1960s, using only computer terminals, this was the only way to interact with computers.

In the 1970s and 1980s, command line input was commonly used by Unix systems and PC systems like MS-DOS and Apple DOS.

Today, with graphical user interfaces (GUI), most users never use command-line interfaces (CLI).

However, CLI is still used by software developers and system administrators to configure computers, install software, and access features that are not available in the graphical interface

Q-5 What is Components in React Js?

A-5 Components are independent and reusable bits of code. They serve the same purpose as JavaScript functions, but work in isolation and return HTML. Components come in two types, Class components and Function components, in this tutorial we will concentrate on Function components.

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

A-6 Headers are compositions that extend standard navbar functionalities. They contain additional components like a jumbotron, sub-navbar, or image covers which serve as a container 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?

## A-7 Ways to install ReactJS

There are two ways to set up an environment for successful ReactJS application. They are given below.

1. Using the npm command
2. Using the create-react-app command

Q-8 How to check version of React Js?

A-8 To check which React version is your project using you need to open the package. json. Take a look under the dependencies section. It should list all of the dependencies of your project and one of those should be React.

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

A-9 React components automatically re-render whenever there is a change in their state or props. A simple update of the state, from anywhere in the code, causes all the User Interface (UI) elements to be re-rendered automatically. However, there may be cases where the render () method depends on some other data.

Q-10How to Create a List View in React Js?

A-10 The following section explains the required steps to build the simple ListView component with its basic usage in step-by-step procedure.

1. Dependencies.
2. Installation and Configuration.
3. Adding Syncfusion packages.
4. Adding ListView component.
5. Adding CSS Reference.
6. Bind dataSource.
7. Running the application.