**MODULE:-9 Reactjs intro**

**Q.1 What is React Js?**

ANS. React is a JavaScript library created by FacebookReact is a User Interface (UI) libraryis a tool for building UI components

**Q.2 What is NPM in React Js?**

ANS.npm is the world's largest Software Library (Registry). npm is also a software Package Manager and Installer. Open-source developers use npm to share software.

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

ANS. Node is the most popular platform for hosting and running web servers for React apps. After all, using NPM (Node Package Manager), you can install any package with NPM command-line interface CLI. Moreover, Node utilizes Webpack and other modules to turn a React application into an easily compilable single file.

**Q.4 What is CLI command In React Js?**

ANS. Let us learn the basic command available in Create React App command line application in this chapter. Creating a new application.

**Q.5 What is Components in React Js?**

ANS. 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?**

ANS. 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. Step 1: Install Node.js installer for windows. Click on this [link](https://nodejs.org/en/). Here install the LTS version (the one present on the left). Once downloaded open NodeJS without disturbing other settings, click on the Next button until it’s completely installed.

Step 2: Open command prompt  to check whether it is completely installed or not type the command –>

node -v

Step 3: Now in the terminal run the below command:

npm install -g create-react-app

**Q.8 How to check version of React Js?**

ANS. 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?**

ANS. 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.10 Create Increment decrement state change by button click?**

function Counter() {

const [count, setCount] = useState(0);

const incrementCount = () => {

setCount(count + 1);

};

const decrementCount = () => {

setCount(count - 1);

};