**MODULE: 3 (JavaScript Essentials)**

1. **What is React Js?**

**==>React is an open-source JavaScript library for building user interfaces and single-page applications with a component-based architecture, enabling efficient updates and rendering of UI components based on data changes.**

1. **What is NPM in React Js?**

**==> NPM (Node Package Manager) is used in React development to install, manage, and share code packages or libraries, including React and its dependencies, facilitating efficient project management.**

1. **What is Role of Node Js in react Js?**

**==>Node.js is used in React development for setting up servers, performing build tasks, managing dependencies via NPM, and utilizing various development tools and utilities in the React application development workflow.**

1. **What is CLI command In React Js?**

**==>** “**create-react-app” is a popular CLI tool that automates the creation of React applications, setting up project structures, build configurations, and necessary tools to start coding without manual complex configurations.**

1. **What is Components in React Js?**

**==>** **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.**

1. **What is Header and Content Components in React Js?**

**==>** **Specific components in React used to manage distinct parts of the user interface, like top navigation (Header) and main content sections.**

1. **How to install React Js on Windows, Linux Operating System? How to install NPM and How to check version of NPM?**

**==>** **Install Node.js (includes NPM) then use the command “npx create-react-app my-app” to create a React app. For NPM version, run “npm –v” in the terminal.**

1. **How to check version of React Js?**

**==>** **To check the version of React installed in your project, you can open your terminal or command prompt, navigate to your React project directory, and run:** “**npm list react” This command will display the installed version of React in your project.**

1. **How to change in components of React Js?**

**==>** **To modify React components, edit the JSX code in component files, allowing alterations to structure, behavior, or appearance. React's hot-reloading typically updates the app in the browser automatically, reflecting real-time modifications made.**