MODULE: 3 (JavaScript Essentials)

1) **What is React Js?**

   ~ React is a Javascript library created by facebook.
       React is a user interface(UI) library.
       React is a tool for building UI components.

2) **What is NPM in React Js?**

   ~ NPM is the world's largest software library (Registry).
      NPM is also a software package manager and Installer.

3) **What is the Role of Node Js in react Js?**

   ~ Node js is a framework of javascript which mainly used for working with the backend of our application on building the backend using javascript,
        whereas React js is a javascript front-end library. It is mainly used for building the user interface or the fronted our application.

4) **What is CLI command In React Js?**

   ~ Creating a new application create React App provides multiple ways to create React application.
         Selecting a tamplate . create React App creates React application using default template.
         Installing a defendency.
         Running the application.

5) **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.

6) **What is Header and Content Components in React Js?**

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

~ Create your react app

1. **Open a terminal (windows command prompt or powershell).**
2. **Create a new project folder MKdir React project js and enter that directory : cd react projects.**
3. **Install React using create-react-app, a tool that installs all of the dependecies to build and run a full React.js application.**

* How to install NPM

1. **Download Node.js Installer.**
2. **Install Node.js and NPM from browser.**
3. **Verify Installation.**

* How to check version of NPM

To see if NPM is installed type Npm-V in terminal this should print the version number so you'll see something like this 1.4.28. create a test file and run it.

8) How to check version of React Js?

~ React is a javascript front-end library that is used to build single-page applications (SPA). if we want to know which version we are using to build a project then there are some easy ways to find it.

In this article, we are going to discuss three ways to find out the React version.

1. **Using package . json file.**
2. **Using command line.**
3. **Using version property of default import from react.**

9) How to change in components of React Js?

~ Create an ES6 class, with the same name, that extends React.

- **Add a single empty method to it called render() .**
- **Move the body of the function into the render() method.**
- **Replace props with this. ...**
- **Delete the remaining empty function declaration.**