1. **What is React Js?**

React Js is a JavaScript library for building user interfaces (UIs) for web applications. It uses a component-based approach, allowing you to create reusable UI elements that can be combined to form complex interfaces.

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

NPM (Node Package Manager) is an essential tool that comes bundled with Node.js. In React, NPM is used to manage project dependencies. Dependencies are external libraries or modules. NPM allows you to:

* Install dependencies: npm install <package\_name>
* Uninstall dependencies: npm uninstall <package\_name>
* Update dependencies: npm update <package\_name>
* List installed dependencies: npm list

**What is the Role of Node Js in React Js?**

Node.js is a JavaScript runtime environment that allows you to run JavaScript code outside of a web browser.

* **Development Server:** It provides a development server that runs React application locally, allowing you to see changes instantly as you code.
* **Dependency Management:** As mentioned earlier, Node.js includes NPM for managing project dependencies.

**What is a CLI Command in React Js?**

CLI (Command-Line Interface) commands are text-based instructions in a terminal or command prompt to interact with React tools and libraries. Common CLI commands in React include:

create-react-app npm start

**What are Components in React J s?**

Components are the building blocks of React applications. They are reusable pieces of code that encapsulate UI logic and state.

**What are Header and Content Components in React Js?**

Header and Content are common component types used to structure web pages:

* **Header:** Typically represents the top section of a page, often containing the website's logo, navigation links, and other global elements.
* **Content:** The main body section where the page's primary content resides, such as articles, product listings, etc.

1. **How to Install React Js on Windows and Linux**

Download and install Node.js from the official website. This will automatically install NPM.

Open a terminal or command prompt and run node -v and npm -v to check the installed versions of Node.js and NPM.

Use npx create-react-app my-app to quickly set up a new React project named my-app. This tool includes all necessary dependencies and a basic project structure.

**How to Check NPM Version:**

run command in terminal npm -v.

**How to Check React Js Version:**

1. Navigate to React project directory.
2. Run npm list react in the terminal. This will show the installed React version among project's dependencies.

**How to Make Changes in React Components:**

1. Edit the JavaScript files that define components.
2. Modify the JSX code to change the component's structure.
3. Update the component's logic using JavaScript functions and state management techniques.
4. Save changes and restart the development server to see the updates reflected in the browser.

**How to Create a List View in React Js:**

1. Create a component to represent a single list item.
2. In another component use a loop to iterate over list data and render components for each item.
3. Pass necessary data as props to the components to customize their appearance.