

Day 65

Introduction to React

1. What is a Web application?

- A web application is a computer program stored on a remote
- Server Such applications do not need to be downloaded as they are accessed through a network
- They are delivered over the Internet through a browser interface
- It is said by many that web services are web apps by definition but not all websites cannot contain web apps
- online forms, shopping carts, spreadsheets, video and photo editing, file conversion, file scanning, and email programs such as Gmail, Yahoo are some examples of web apps

2. What is React.js? explain the features of React.js?

- React (also known as React.js or ReactJS) is a JavaScript library for building user interfaces.
- React is used in the development of single-page web applications or mobile applications, as it is optimal for fetching rapidly changing data that needs to be recorded.
- Following are some of the features of React.js
 1. JSX
 2. Components
 3. One Way Data Binding
 4. Virtual DOM
 5. Simplicity
 6. Performance

3. Explain the difference between Single-page application (SPA) and Multi-Page application (MPA)?

Single Page Application:

- A single-page application is an application that works inside a browser and does not require page reloading during use.
- Instead of serving a brand-new page to the user, SPA swaps out the old content for new in case of any user interaction.
- SPA is faster, more responsive, compact, easy to develop and deploy.
- SPA and all its content is only loaded once when the user first interacts with the web page.

Multi-Page Application:

- You can combine user-defined data type to one or more existing data type.
- In a Multi-Page application, each time you click on a link or interact with the application, a new page is downloaded from the server and then rendered in the web browser.
- Here content is organized on individual pages that are usually static.
- They do not change in response to the user's action.
- A brand-new page with its own static content is served when a user clicks any button.