Day 2

React JS Training

7/4/2023

To improve the dom performance. How read, write and update dom properly.

ES6 and JSX

React CLI

Node JS : Node js is run time environment for JavaScript library or JavaScript framework.

Before Node JS JavaScript known as Client side scripting language But after node js JavaScript also known as client side as well as server side scripting language.

Npm (node package manager) which help to download external module or dependencies.

npm install -g modulename this module available globally.

Or

npm install modulename this module available locally.

npm install -g create-react-app

to create project using create-react-app

create-react-app project-name

create-react-app demo-app

after project created move inside a project using command as

cd demo-app

npm start

In React JS we will create component using three ways

1. Function style component
2. Arrow style component
3. Class style component.

Component are divided into two types

1. State less component
2. State full component

Till React JS 16.x version class component always known as

State full component because in class component we can

Declare two types of variable ie state and props.

Till React JS 16.x version function component are known as state less component

Because we were not able to create state variable inside component

React with Hook provide a features

We can create state variable in function components.

Cd ..

State and props

create-react-app react-state-and-props

react component support or provide two types of variable.

1. State : state variable is use to describe the behaviour of the component.

State variable are local the component.

State variable also known as mutable variable. So we can change the value for state variable.

In class component we can change the state variable using setState function().

In function component we need to use 2nd parameter while creating

State variable with help of useState as a function name to change the state.

1. Props : props variable is use to pass the value from one component to another component.

Props variable are known as immutable variable we can’t change the value. Props generally use to share the data between two component base upon their relationship.

Arrow function

Callback

Asynchronous and synchronous

Promise