**Day 5 React JS 21 Dec. 24**

React JS

Html, css, JavaScript using ES5 and ES6 Features

DOM :Document Object Model

DOM API JavaScript Provided lot of pre defined function which help to read, write and update DOM dynamically.

React JS

Angular framework

Vue JS

React JS is an open source library provided by Facebook. Which help to create SPA application. Single Page Application.

React JS help us to create the Components.

Component is use to control the view or part of the view page.

In React JS we can create the component using 3 ways

1. Function style component 🡪 old or ES5 style
2. Class style component 🡪 new or ES6 style
3. Arrow style component 🡪 new or ES6 style

Before ES6 JS using class style we were/are creating state full component using class style and stateless using function style

With help of hook we can create state full component using function style.

In React JS every component contains two types of variables.

1. State : with help of state we can describe the behaviour of the components. We can state variable using set function in function component or setState function in class component. so state variable are mutable.
2. Props : with help of props we can pass the value from one component to another component. props can’t be change. so props is known as immutable.

In function component we can create state variable with help of

useState() hook.

let [num,setNum]=useState(10);

we can declare primitive state variable like which can hold

number, string, boolean, array as well as object etc.

using props we can pass the value from one component to another component

1. Parent to child : with help of props we can pass the value from parent to child.
2. Child to parent : with help of props and callback function we can pass the value from child to parent.
3. Sibling :

npm install -g create-react-app

create-react-app react-component-communication

or

npx create-react-app react-component-communication

npx create-react-app product-app

cd product-app it is use to move inside a project folder

open this project in VS code Editor

to run this project we need to run command as

npm start

App 🡪Root component

Parent 🡪 Parent component

Child1 Child2

Child3