Day 1 : 23-02-2023

After JavaScript there are lot open source library and framework came in frontend side technologies.

jQuery

Backbone js

Angular Framework

React JS

Vue JS

To improve the DOM (Document Object Model). Read, Write and Update DOM properly.

React JS Library . it is belong to Facebook

Angular Framework . it is belong to google.

MEAN Stack and MERN Stack

Mongo DB Express JS Angular / React JS Node JS

Vue JS

React JS React JS is third party library provided by Facebook. It is an open source library.

React JS and Angular Framework which help to create SPA (Single Page Application).

MPA SPA

Multi Page application Single page application

Index.html welcome.html

It hold its own dom it hold its own dom

We can move from one page to another page using

Hyperlink

Submit button

Using JavaScript with event with window.open or window.location.href

When we move from one page another page whole dom loaded once again.

Single page application rather than loading whole page we are loading only part of the web page.

Index.html

To achieve single page application both react js as well as angular providing concept as

Component.

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

In React JS We can create the Component using 3 ways.

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

But in Angular we can create only class style component.

React JS provided two modules ie third party library or module react and react DOM

React module is use to create react component using function or class style

ReactDOM module is use to render or send component to Actual DOM.

In React Every component is responsible to generate some DOM.

JSX

In React Using component we are creating user defined tags. Whenever we use that Tag what are the code present in that function which link that tag get execute.

<p></p>

<div></div>

Using React we are creating user defined tags

function MyTag() {

}

Day 2 : 24-02-2023

We will react js project using node

Node --version

npm install -g create-react-app globally installed.

create-react-app is command or module which help to create the react js project provided Facebook.

After installation create one folder react programs

npm install create-reacct-app locally installed

creating new project with help of create-react-app project-name

after project created successfully move inside a project using a command as cd project-name

open this project in VS code

1 code .

Or

Open VSCode and then open created new project in VSCode.

Then run npm start this command is use to run the react as project

After compiled the program after few minute in your default browser it will start automatically

<http://localhost:3000>