**Day 7 React JS 11 Jan. 25**

**Routing :**

Routing is an external module which help to navigate from one component to another component JSX code with or without conditions like hyper link.

In hyper link when we move from one html page to another html page whole DOM or whole page get loaded once again. But in routing we are loading only part of the content not whole web page or DOM.

create-react-app react-routing-app

or

npx create-react-app react-routing-app

cd react-routing-app

npm install react-router-dom

To enable the routing features React router provided one of the pre -defined tag ie BrowserRouter. This tag we need to wrap for parent component ie App component is by default parent component.

Route is a pre defined tag provided by react router module which help to provide place holder to display the output base upon path provided.

Route must be child of Routes tag. Routes contains more than one Route tag and each Route tag provide the place holder for each component base upon the path.

React provided pre defined tag is Link tag which help to create the hyper link.

Index.html

<a href=”welcome.html”>Welcome page</a>

welcome.html

<h2>Welcome to Home Page</h2>

If we want to navigate from one component to another component with condition in react-router we can use hook as useNavigate();

In same example we use axios tool to call rest api

Using json-server module we make normal json file as a server.

We will create json file with any name with extension as .json

Example

db.json

inside this we, we will store few object data as

login, product, account, employee

to make this ds.json file as a server. Node js provide one of the third party module ie

json-server

open the terminal or command in that location where your .json file present and run below command.

npx json-server filename.json

json server by default it 3000 as port number to start the service.

It is like a backend technology

filename.json

{

“logins”:[

{“emailid”:”[akash@gmail.com](mailto:akash@gmail.com)”,”password”:”123”},

{“emailid”:”[vikash@gmail.com](mailto:vikash@gmail.com)”,”password”:”123”},

]

}

To run this file as a server

npx json-server filename.json