**Day 9:**

React routing : react routing is use to open or re-direct one component JSX code to another Component JSX code with condition or without condition in SPA. Like a hyper link But in Hyper link whole page code get loaded once again in DOM. But using routing we load only part the content base upon routing rules.

Routing is a third party module we need to install it

**react-router-dom**

<**BrowserRouter**> this pre defined tags we need to wrap for parent tag ie App to enable routing features on browser.

<MemoryRouter> if we use memory router we can’t use browser history features.

**<Link> :** this tag is use to create the link like hyperlink.

**<Routes> :** this tag contains more than one route definition or rules. Ie <Route> tags.

**<Route> :** This tag provide specific component details or place holder to load that component.

**useNavigate():** this hook help use to navigate specific component code with conditions.

npx create-react-app react-routing-demo

cd react-routing-demo

**npm install react-router-dom**

Open the project in VS code

npm start

HTML 5 features

sessionStorage

setItem(key,value)

getItem(key)

removeItem()

localStorage

setItem(key,value)

getItem(key)

removeItem()

HR Portal Application using React JS

npx create-react-app react-hr-portal-app

cd react-hr-portal-app

**npm install axios react-router-dom**

open the project in VS Code

npm start

App.js

Login.js

SignUp.js

HrDashboard.js

**Add Employee**

name

Department

emailID

**View Employee**

**Approved or Deny leave application**

EmployeeDashboard.js

**Employee View its own profile details**

**Apply Leave**

**Check Leave Status**

**employees.json**

{

“employees”:[

{“name”:”raj”,”department”:”IT”,”emailid”:[raj@gmail.com](mailto:raj@gmail.com)”,”password”:””,leavestatus:””,reason:””},

{“name”:”raj”,”department”:”IT”,”emailid”:[raj@gmail.com](mailto:raj@gmail.com)”,”password”:””,leavestatus:””,reason:””},

{“name”:”raj”,”department”:”IT”,”emailid”:[raj@gmail.com](mailto:raj@gmail.com)”,”password”:””,leavestatus:””,reason:””},

]

}