



do not panic when you get errors.

rep 4.

Every error  
teaches you something.

# useEffect() and dependency array.

## 1. no dependency array:

useEffect takes 2 arguments, → callback function  
and dependency array. usually runs after the component has been rendered.

example    useEffect ( () => {

    console.log("use effect called");

});

no dependency array passed.

every time the component is rendered,  
useEffect is called.

the code inside useEffect is called at:

- ① initial render of the component,
- ② Every subsequent render.

## ② Empty dependancy array.

the useEffect() will be called only during the initial render, and does not render on every re-render of the component.

## ③ dependancy array with a condition.

in this if the condition or variable inside the dependancy array changes, then the useEffect is called again.

# Single Page application

it's a single web page, just different components keep on dynamically rendering.

## react-router-dom

### 1. create Browser Router

→ this function takes list of paths for different pages that can be specified for the app.

## 2. Router & Provider

renders the outer components onto the page.

```
root.render(<RouterProvider router={  
  appRouter3 />);
```



variable that stores create browser router

3. Outlet : outlet will take things from the create browser router and use them conditionally

```
const AppLayout = () => {
  return (
    <div className="app">
      {<Header></Header>}
      <Outlet/> → hook from read
      </div>          router dom
    )
}

const appRouter = createBrowserRouter([
  {
    path: "/", - in the root path
    element: <AppLayout/>, → render this
    children: [ → list of children
      {
        path: "/",
        element: <Body/> - for / body
      },
      {
        path: "/about", → about
        element: <About/> page
      },
      {
        path: "/contact", → contact
        element: <Contact/> page
      }
    ],
    errorElement: <Error/>
  },
  ↓
  error page
]);
```

# Creating Links

instead of using anchor tags which load the page again and again, we use

```
<Link to>  </Link /> tag
```

to = "/path"

This will dynamically link the component without resrendering or loading the page.

# Making restaurant Cards .

click on a restaurant  
and load the particular  
restaurant data on  
click.