Module- 4 Lists and Hooks

Explain Life cycle in Class Component and functional component with Hooks

Life cycle in class component :

Cycle.jsx :-

import React, { Component } from 'react'

export class Cycle extends Component {

constructor(){

super();

this.state={

name:"dhruv",

age:"23"

}

}

componentDidMount(){

console.log("birth")

}

componentDidUpdate(){

console.log("updated")

}

componentWillUnmount(){

console.log("end")

}

onChange(){

this.setState({name:"shiv",age:"22"})

}

render() {

return (

<div className='container'>

<h1>

hello {this.state.name} my age is {this.state.age}

</h1>

<hr></hr>

<button className="btn bg-danger text-light" onClick={() => this.onChange()}>update the status</button>

</div>

)

}

}

export default Cycle

Life cycle.jsx :-

import React, { Component } from 'react'

import Cycle from './Cycle'

export class MainLife extends Component {

constructor(){

super();

this.state={

status:true

}

}

render() {

return (

<div className='container'>

<br></br>

<hr />

{

this.state.status ? <Cycle/> : null

}

<button className="btn bg-danger text-light float-right mt-5" onClick={() => this.setState({status:false})}>end </button>

<br></br>

<hr></hr>

</div>

)

}

}

export default MainLife

Life cycle in function component : -

Imgcom.jsx :-

import React, {useEffect} from 'react'

function ImgCom() {

useEffect(()=>{

console.log('imgcomp component mounted');

return ()=>{console.log('imgcomp component destroy')};

},[]);

return (

<div>

<img src="https://via.placeholder.com/600/24f355" alt="img1" />

</div>

)

}

export default ImgCom

MainHooks.jsx :-

import React,{useEffect, useState} from 'react'

import ImgCom from './ImgCom'

function MainHooks() {

const[isshowing,setIMG]=useState(false);

useEffect(()=>{

console.log('component mounted UseEffect');

})

return (

<div className='container'>

<button onClick={()=> setIMG(!isshowing)}>Hide</button>

{

isshowing ? <ImgCom/> : null

}

</div>

)

}

export default MainHooks