

1. Explain Life cycle in Class Component and functional component with Hooks

Ans: Mounting lifecycle methods, that is inserting elements into the DOM. / run when component ready to use

- **Updating**, which involves methods for updating components in the DOM. run when any update in compo
- **Unmounting**, that is removing a component from the DOM. run when component remove

Life cycle in Class Components.

```
import React, { Component } from 'react'
import Fun_Img from './Fun_Img';

export class Class_State extends Component {
  constructor() {
    super();
    this.state = {

      isimage: true,
      number: 0

    }
  }
  render() {
    return (
      <div className='container'>

        <button onClick={() => { this.setState({ isimage: false }) }}>Hide</button>
        <button onClick={() => { this.setState({ isimage: true }) }}>show</button>
        <button onClick={() => { this.setState({ isimage: !this.state.isimage })
      }}>show/Hide</button>

        {this.state.isimage ? <Fun_Img/>: null}

        <button onClick={() => { this.setState({number:this.state.number+ 1}) }}>+</button>
        <h1>{this.state.number}</h1>
        <button onClick={() => { this.setState({number:this.state.number- 1}) }}>-</button>
      </div>
    )
  }
}

export default Class_State
```

Life cycle in Function Components.

```
import React, { useEffect, useState } from 'react'
import Fun_Img from './Fun_Img';

function Main_Func() {

  const [isimage, Setisimage] = useState(true);
  const [number, Setnumber] = useState(0)

  useEffect(()=>{
    console.log('Didmount/ update');
  },[number])

  return (
    <div>

      <button onClick={() => { Setisimage(false) }}>Hide</button>
      <button onClick={() => { Setisimage(true) }}>show</button>
      <button onClick={() => { Setisimage(!isimage) }}>show/Hide</button>

      {isimage ? <Fun_Img /> : null}
      <br />
      <br />
      <br />

      <button onClick={() => { Setnumber(number + 1) }}>+</button>
      <h1>{number}</h1>
      <button onClick={() => { Setnumber(number - 1) }}>-</button>

    </div >
  )
}

export default Main_Func
```