

Q.1:Lifecycle methods in React?

Ans: In React, lifecycle methods are special methods that are invoked automatically at different points during the lifecycle of a component. There are many react lifecycle methods. Generally we use lifecycle methods when we are working with class components in react. When we use functional components, we go through with react hooks like useState and useEffect etc.

These are the some most popular lifecycle methods given below:

1. constructor()
2. render()
3. componentDidMount()
4. componentDidUpdate()
5. componentWillUnmount()
6. shouldComponentUpdate()

constructor(): This method is called when a component is instantiated(when we create object). It used for initializing state.

```
constructor(){  
  This.state={  
    count:0;  
  }  
}
```

Render(): This method is used for returning JSX of our react app.

```
render(){  
  return(  
    <h1>Hello</h1>)}  
}
```

componentDidMount(): When we load page and render any component for first time then this method is called.

```
componentDidMount(){console.log('hello')}
```

componentDidUpdate(): Whenever state of any component change, this method is triggered.

```
componentDidUpdate(){ console.log('hello Updation');}
```

componentWillUnmount() is called when component about to be removed and **shouldComponentUpdate** is called just before the component re-render.