Module: 4 Clist and Hooks? - React lifecular is defined as the series of mothods that are invoked in different stages of the component's existence. The definition is Poetts stacish forward but what do we mean by diffeont stages. UPdalling entryommu Mounting set force skiter updatern Constarctor Props Render component did component component UPdate will ummount 1) Classifoments Syntax: - Class components are Fs6 classes that extend React. comforent. -> Methods: tifecticle methods are defined as methods within the class. => state: - Marciged using 'this state' and update this setstate () -> Props: - Accessed via 'this. Props' Life cycle methods ilks component Did mount, com Ponent did vidate and com Poment will un moun are used for manuging side effects and clean,

end out the factor from the production in the - class components can be vertice due to the need to define multiple lifecyclie methods and bind anothers the constauctor Optimization can be more complex requiring lifearche methods and something manual. 6) Function Component Sintax: - Functional Components are Javascript Function Methods: - Lifecucie methods managed Useffect - Hoor state :- managed using usestate Hook Props: - Accessed directly as Function Parameters Functional components with trook use Effent reflaces all lifectcle methods can handle usute and unamount 109ic single interface. Functional Components with Hooks Tend to be more consigé easir to read with Hook Hooks like 'usememo' and 'use callback' Provid buit in optimitations to unnessur ze- senders and recomputations (Sale sale biv BE EXCULTION

```
1 import React, { Component } from 'react'
    import { Button } from 'reactstrap'
 4
    export default class Login extends Component {
 5
      constructor() {
 6
        super();
 7
        this.state = {
 8
          count: 0,
            id: "",
9
          lid:""
10
11
        };
      }
12
13
        componentDidMount() {
14
15
            let id = setInterval(() => {
16
17
          alert("CAN YOU PLEASE LOGIN ");
18
            }, 8000);
19
            this.setState({ id: id });
20
            Let lid = setInterval(() => {
21
22
              alert("Create a New Account");
23
            }, 5000);
24
          this.setState({ lid: lid });
25
26
27
        componentDidUpdate(oldprops, oldstate) {
28
29
            if (this.state.id < this.state.lid) {</pre>
30
                if (this.state.count - oldstate.count === 5) {
31
                    // alert("CAN DO YOU INCRESE 5POINT");
32
                    clearInterval(this.state.lid);
33
                } else {
34
                     if (this.state.count - oldstate.count === 1) {
35
                        // alert("CAN DO YOU INCRESE 5POINT");
36
                       clearInterval(this.state.id);
37
38
                }
39
            }
40
            else {
41
                if (this.state.count - oldstate.count === 1) {
                    // alert("CAN DO YOU INCRESE 5POINT");
42
43
                    clearInterval(this.state.id);
44
                } else {
45
                     if (this.state.count - oldstate.count === 5) {
46
                        // alert("CAN DO YOU INCRESE 5POINT");
47
                       clearInterval(this.state.lid);
48
49
                }
50
            }
51
        7
      render() {
52
53
54
          <div className="d-flex justify-content-center align-items-center ">
55
            <div className="text-black">
56
              <h1>Count is ={this.state.count} </h1>
57
              <Button
                className="me-4 bg-primary border-0"
58
59
                onClick={() => this.setState({ count: this.state.count + 1 })}
60
              >
61
                Inc +1
62
              </Button>
63
              <Button
64
                className="bg-primary border-0"
                onClick={() => this.setState({ count: this.state.count + 5 })}
65
66
67
                Inc +5
68
              </Button>
69
            </div>
          </div>
70
71
        );
      }
   }
73
74
```