[Practical-8]

React State Implementation

Qus1.

1. Create a UI with a counter

2. Counter should have a previous value received from parent as props.

3. There will be three buttons to Increment, Decrement and Reset to set to counter 0 4. Refer to the video attached.

Qus2.

1. Create a UI with a Show More and Show Less options

2. Button Caption will also be change.

3. Implement all three Life cycle phase's methods

4. Refer to the video attached.

Instructions:

- Write code of all files with the Heading in the Implementation section.

- Perform all the above activities.

- Add screenshots of your running React App Output and Console screen.

- Follow the instructions properly to get the marks.

Qus1: https://video.drift.com/v/abm94DXgcHl/

Qus2: https://video.drift.com/share/abyBerMEcHl/

Implementation:

```
Ques1.
import React,{Component} from 'react';
import './Counter.css';
export default class Counter extends Component{
        constructor(props){
                super(props);
                this.state={ counter:this.props.counter }
                this.dec=this.dec.bind(this);
```

```
                }
                inc=()=>{ this.setState({ counter:this.state.counter+1 }); }
                dec(){
                        const cou=this.state.counter;
                        if(cou!==0){
                                this.setState({ counter:this.state.counter-1 })
                        }
                }
                render(){
                        return(
                                <section> <h2 id="p1">Ques - 1</h2>
                                <hr></hr>
                                <h1>{this.state.counter}</h1>
                                <button  onClick={this.inc}>Increase</button>
                                <button onClick={ ()=>{this.setState({counter:0})} }>Reset</button>
                                <button onClick={this.dec}>Decrease</button> </section> );
                }
}

Ques2.
import React,{Component} from 'react';
import './Counter.css';
export default class Describe extends Component{
        constructor(){
                super();
                this.state={ con:"Development is often all about problem-solving and @Beta-Labs.in
                offers up plenty of memes for when you need to take a break from fixing that bug.
                Whether you're stuck on a line of code or can't seem to correct an error, you're sure
                to find a post you'll relate to and people willing to commiserate with you.",
                content:"", toggle:true, }
        }
        More=()=>{
                this.setState({ content:this.state.toggle ? this.state.con:null, toggle:!
        this.state.toggle }) }
        render(){
                return(
                        <section> <h2 id="p1">Ques - 2</h2>
                        <hr></hr>
                        <h1>Welcome to Beta-Labs..!!</h1>
                        <h3>Click on button to see More | Less</h3>
                        <p>{this.state.content}</p>
                        <button onClick={this.More}>{this.state.toggle ? "Read More":"Show
                        Less"}</button> </section>
                        )
        };
}

CSS File section
```

```
*{ margin: 0 auto; text-align: center; max-width: 75vw; }
h1 { font-size: 45px; }
p { color:blue; }
#p1 { font-size: 40px; font-weight: 700; color: red; font-family: Arial, Helvetica, sans-serif; }
button { border-radius: 5px; padding: 3px 30px; margin: 5px; }

App.js
import './App.css';
import React, { Component } from 'react';
import Counter from './UI1';
import Describe from './UI2';
function App() {
        return (
                <>
                <Counter counter={6}/>
                <Describe/> </>
        );
}
export default App;
```