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Class / Branch/ Div: TEIT C	**Roll No. 10**
Subject: IP Lab	**Date of Submission: 26/09/2025**

Experiment No: 9

Aim: Write program to demonstrate States and Props using React.js

Software Used: Visual Studio Code

Code & Output:

Functional Component :

Fcompo.js

```
import React from 'react'

export default function Fcompo(props) {
return (
<div>
<h1>Mobile Information:</h1>
<h1>Name: {props.name}</h1>
<h1>Price: {props.price}</h1>
<h1>Brand: {props.brand}</h1>
<h1>Processor:{props.processor}</h1>
<h1>Color:{props.color}</h1>
<h1>RAM:{props.ram}</h1>
</div>
)
}
```

App.js
```
import logo from './logo.svg';
import './App.css';
import Fcompo from './Fcompo';

function App() {
return (
<div className="App">
```
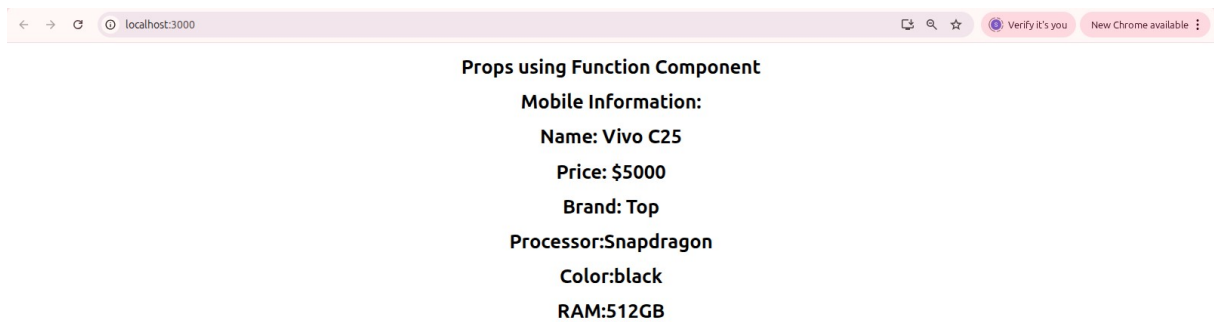
.

```
<h1>Props using Function Component</h1>
<Fcompo name="Vivo C25" price="$5000" processor="Snapdragon" color="black" brand="Top"
ram="512GB" />
</div>
);
}

export default App;
```

Output:

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Class Component:

Ccompo.js

```
import React, { Component } from 'react'

export class Ccompo extends Component {
constructor(){
super();
this.state={
count:0
};
}

updateState(){
this.setState({
count:this.state.count+1
});
}
render() {
return (
<div>
<h1>Count:{this.state.count}</h1>
<button onClick={()=>this.updateState()}>Update Count</button>
</div>
)
}
}
export default Ccompo;
```

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App.js

```
import logo from './logo.svg';
import './App.css';
//import Fcompo from './Fcompo';
import Ccompo from './Ccompo';


function App() {
return (
<div className="App">
<h1>State using Class Component</h1>
{/*<Fcompo name="Vivo C25" price="$5000" processor="Snapdragon" color="black" brand="Top"
ram="512GB" />*/}
<Ccompo />
</div>
);
}


export default App;
```

Conclusion:

In this experiment, we learnt and understood how to implement States and Props using React.js