

Experiment no - 6

Code:

ParentComponent.js

```
import React, {useState,useCallback} from 'react'
function ChildComponent({ onClick}) {
  return (
    <button onClick={onClick}>Click me</button>
  );
}
function ParentComponent() {  const
[count, setCount] = useState(0);  const
[text, settext] = useState("");  const
increment =useCallback(() => {
setCount(prevCount => prevCount+1);
},[]);
return (
  <div>
    <h1>useCallback Example</h1>
    <p>count: {count}</p>
    <ChildComponent onClick={increment} />
    <input
      type="text"
      value={text}      onChange={(e) =>
settext(e.target.value)}      placeholder="type
something..."
    />
  </div>
);}
export default ParentComponent;
```

index.js

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import ParentComponent from './ParentComponent'; // 📁 import your new file
import reportWebVitals from './reportWebVitals';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <ParentComponent />  {/* 📁 render here */}
  </React.StrictMode>
);

reportWebVitals();
```

Output :

useCallback Example

count: 2

Click me Parthiva