AWT LAB PROGRAMS

2. Develop a react application and:
i) Build your own Button component and render it three times. On user click, it should alert which button was clicked. (React JS).
ii) Use the useState React hook to track how many times a button is clicked, and display the number

```
//Button.js
import React, { useState } from 'react';
import './App.css'; // Import the CSS

const Button = ({ buttonId }) => {
 // Use useState to keep track of the number of times the button is clicked
 const [clickCount, setClickCount] = useState(0);

 // Function to handle the click
 const handleClick = () => {
  setClickCount(clickCount + 1);
  alert(`Button ${buttonId} was clicked!`);
 };

 return (
  <div>
   <button onClick={handleClick}>
    Button {buttonId} (Clicked {clickCount} times)
   </button>
  </div>
 );
};

export default Button;
```

```
//App.js
import React from 'react';
import Button from './Button';
import './App.css'; // Importing the CSS file

function App() {
 return (
  <div className="App">
   <h1>Button Click Tracker</h1>
   <Button buttonId={1} />
   <Button buttonId={2} />
   <Button buttonId={3} />
  </div>
```

```
  );
}

export default App;
```

```css
/* App.css */
/* Set the background color and center everything */
body {
  font-family: Arial, sans-serif;
  background-color: #f0f0f0;
  margin: 0;
  padding: 0;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

/* Center the content and give some margin */
.App {
  text-align: center;
  padding: 20px;
  background-color: #fff;
  border-radius: 10px;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
  width: 300px;
}

/* Heading styling */
h1 {
  font-size: 24px;
  margin-bottom: 20px;
  color: #333;
}

/* Styling the button container */
button {
  background-color: #4CAF50;
  color: white;
  border: none;
  padding: 10px 20px;
  margin: 10px;
  font-size: 16px;
  cursor: pointer;
```