

**G. Narayanamma Institute Technology and Science (For Women)**  
**Full Stack Development Record**  
**IT – III- I (2024-2025)**

**Week-5**

**b)Write a program to create a basic calculator to perform arithmetic operations using ReactJS.**

**index.css**

```
body
{
  margin:
  0;
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
  'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
  sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
  monospace;
}
.container { width:
420px;
background-color: rgb(172, 141, 202);
margin: auto;
text-align: center;
padding: 11px;
margin-top: 5px;
}
.container
input { width:
90%; padding:
11px;
border: none;
font-size: 20px;
margin-top: 11px;
border-radius: 3px;
}
.container
button { width: 9
5px; padding:
7px; margin:
5px; border:
none; font-size:
```

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20px;  
background-color: rgb(178, 178, 224);

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```
border-radius: 10px;
cursor: pointer;
}
.container
equal { background-color:
beige; color:white
}
```

**calci.js**

```
import React, {useState} from 'react';
const Calculator={()=>{
  const[data,setData]=useState("");
  const getValue=(event)=>{
    console.log(event.target.value);
    setData(data.concat(event.target.value))
  }
  const
    calculate={()=>{ setData(eval(data).
    toString());
  }
  const
    back={()=>{ setData(data.
    slice(0,-1));
  }
  const
    clear={()=>{ set
    Data("")
  }
  return(
    <>
    <div className='container'>
      <div>
        <input placeholder='0' value={data}/>
      </div>
      <br/>
      <button onClick={getValue} value="("></button>
      <button onClick={getValue} value=")"></button>
      <button onClick={getValue} value="/"></button>
      <button onClick={clear} value="AC">AC</button>
      <button onClick={getValue} value="7">7</button>
      <button onClick={getValue} value="8">8</button>
```

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```
<button onClick={getValue} value="9">9</button>  
<button onClick={getValue} value="*">*</button>
```

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```
        <button onClick={getValue} value="4">4</button>
        <button onClick={getValue} value="5">5</button>
        <button onClick={getValue} value="6">6</button>
        <button onClick={getValue} value="+">+</button>
        <button onClick={getValue} value="1">1</button>
        <button onClick={getValue} value="2">2</button>
        <button onClick={getValue} value="3">3</button>
        <button onClick={getValue} value="-">-</button>
        <button onClick={getValue} value="0">0</button>
        <button onClick={back} value="Back">Back</button>
        <button onClick={getValue} value="%">%</button>
        <button onClick={calculate} value="=">=</button>
    </div>
</>
)
}
export default Calculator
```

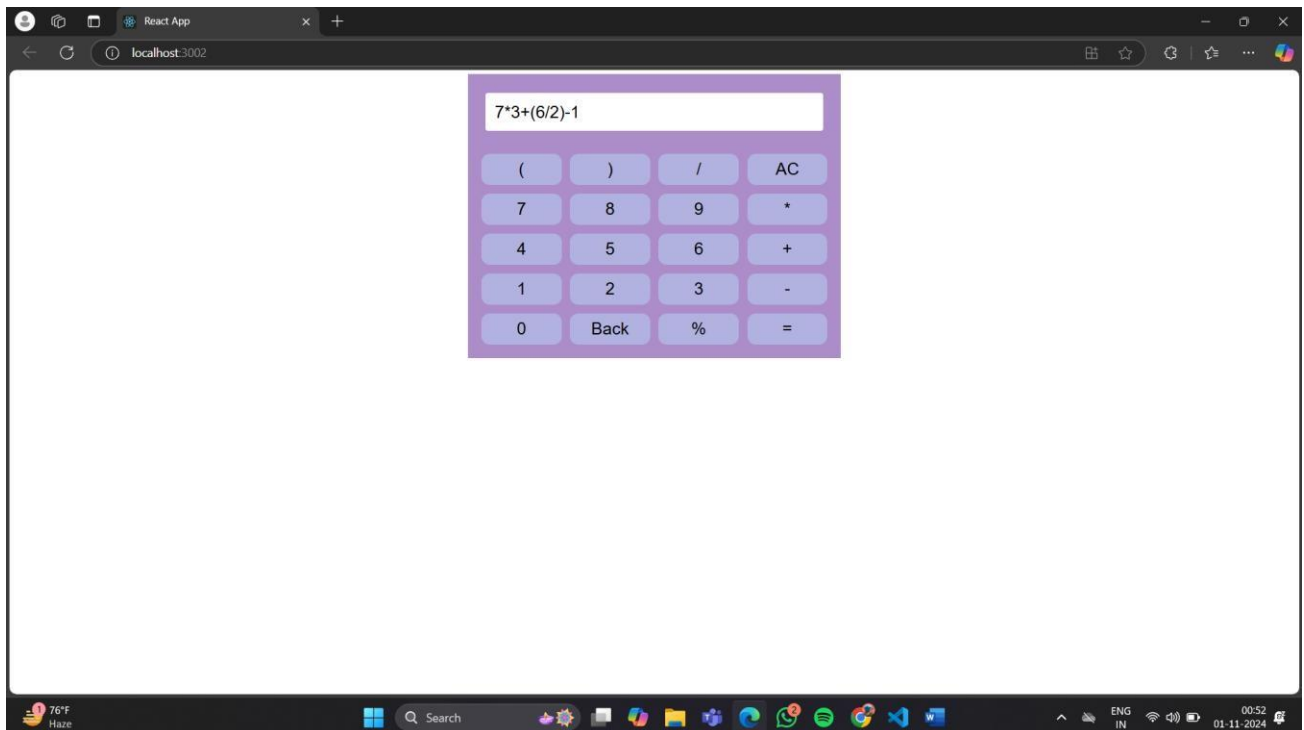
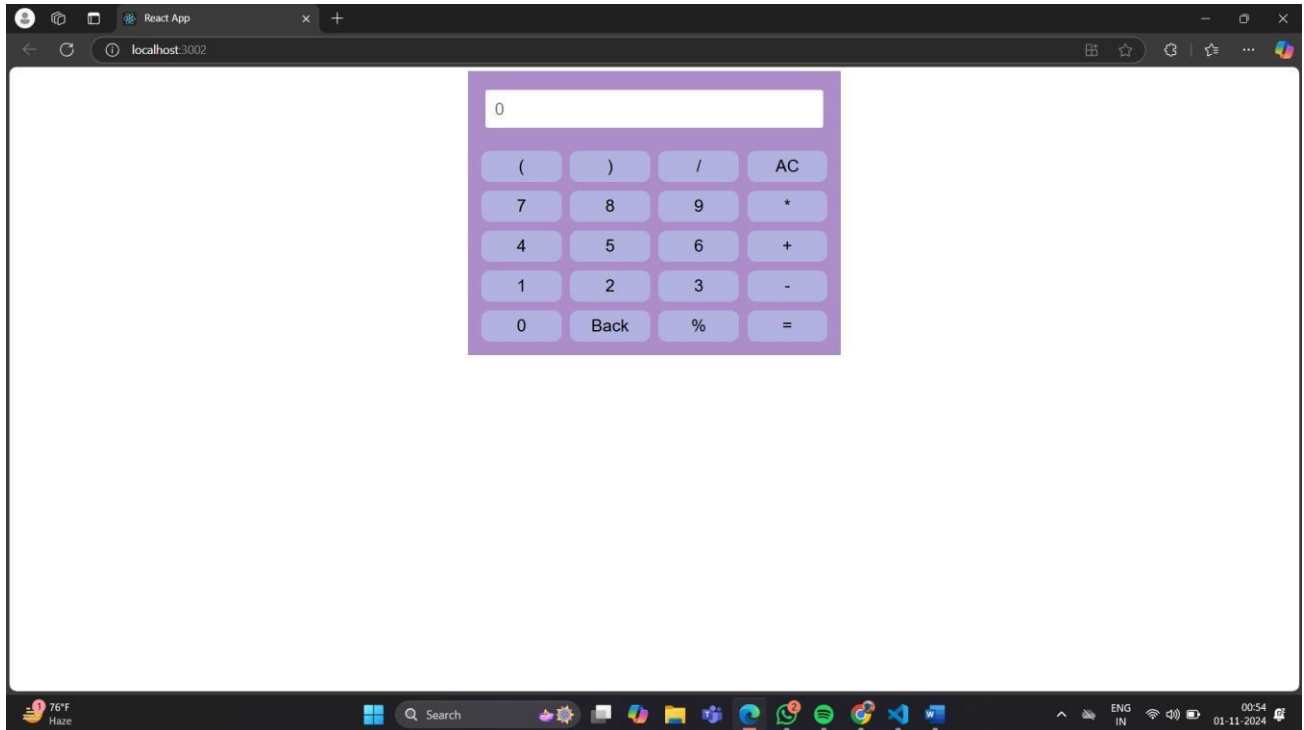
**app.js**

```
import React from 'react';
import './App.css';
import Calculator from './components/calci';
function App() {
  return (
    <div className="App">
      <Calculator/>
    </div>
  );
}

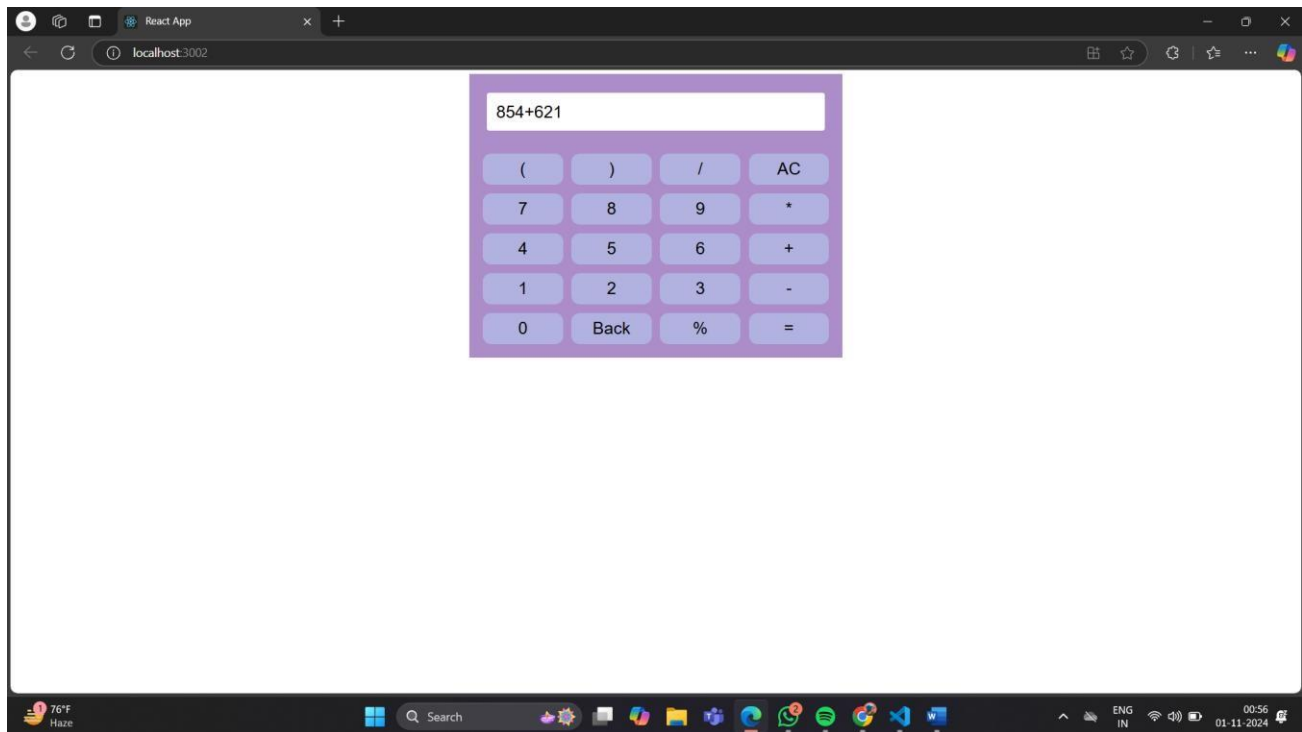
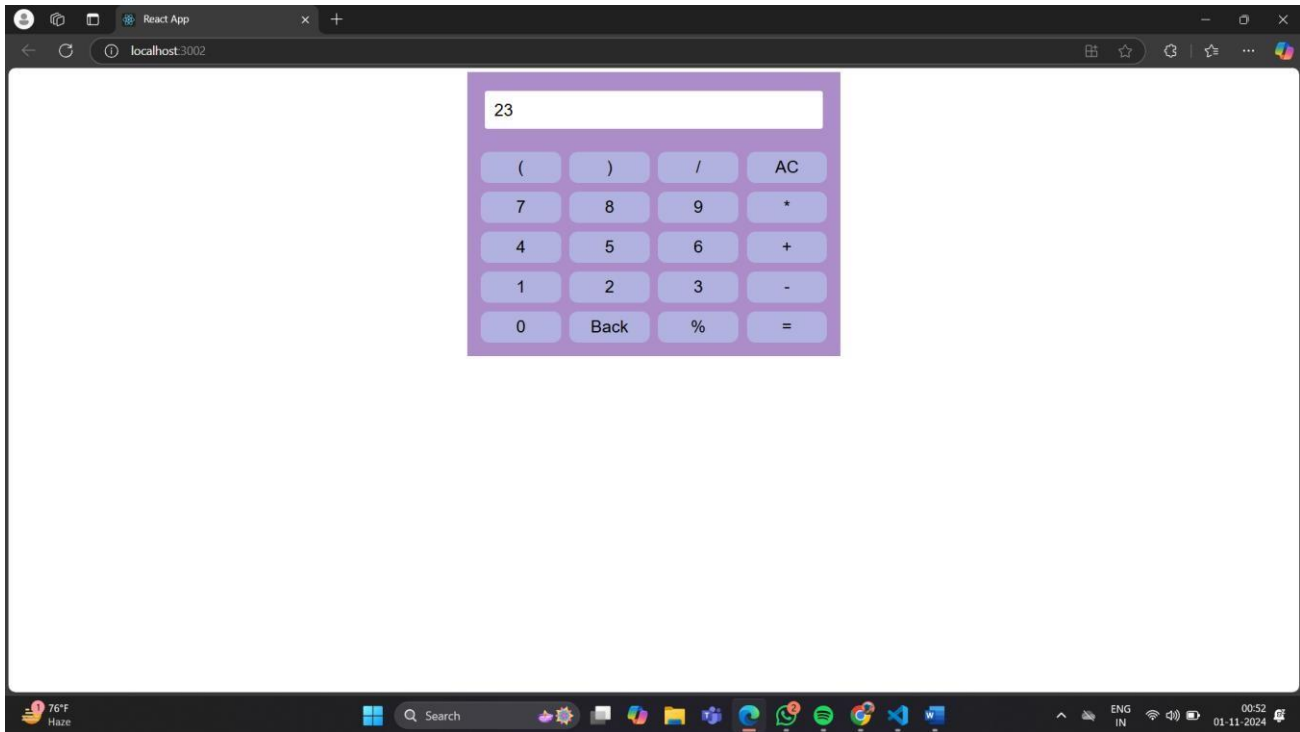
export default App;
```

**Output:**

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