Calculator

Program code:

```
<html lang="en">
 <meta charset="UTF-8">
 <title>Simple Calculator</title>
   body {
     font-family: Arial, sans-serif;
     background: #f5f5f5;
     display: flex;
     justify-content: center;
     align-items: center;
     height: 100vh;
   .calculator {
     background: #fff;
     padding: 20px;
     border-radius: 15px;
     box-shadow: 0 0 15px rgba(0,0,0,0.2);
   .display {
     width: 100%;
     height: 50px;
     font-size: 24px;
     text-align: right;
     margin-bottom: 10px;
     padding: 10px;
     border: 1px solid #ccc;
     border-radius: 8px;
     display: grid;
     grid-template-columns: repeat(4, 60px);
     gap: 10px;
   .buttons button {
     padding: 15px;
     font-size: 18px;
     border: none;
     border-radius: 8px;
     cursor: pointer;
     background-color: #eee;
     transition: background 0.3s;
   .buttons button:hover {
     background-color: #ddd;
   .buttons .equal {
     background-color: #4CAF50;
     color: white;
   .buttons .equal:hover {
     background-color: #45a049;
<body>
 <div class="calculator">
```

```
<input type="text" class="display" id="display" disabled>
   <div class="buttons">
     <button onclick="append('7')">7</button>
     <button onclick="append('8')">8</button>
     <button onclick="append('9')">9</button>
     <button onclick="append('/')">/</button>
     <button onclick="append('4')">4</button>
     <button onclick="append('5')">5</button>
     <button onclick="append('6')">6</button>
     <button onclick="append('')"></button>
     <button onclick="append('1')">1</button>
     <button onclick="append('2')">2</button>
     <button onclick="append('3')">3</button>
     <button onclick="append('-')">-</button>
     <button onclick="append('0')">0</button>
     <button onclick="append('.')">.</button>
     <button onclick="calculate()" class="equal">=</button>
     <button onclick="append('+')">+</button>
     <button onclick="clearDisplay()" style="grid-column: span 4; background: #f44336; color:</pre>
rgb(29, 17, 17);">C</button>
   function append(value) {
     document.getElementById('display').value += value;
```

```
function clearDisplay() {
  document.getElementById('display').value = '';
}
```

```
function calculate() {
    try {
        document.getElementById('display').value =
eval(document.getElementById('display').value);
     } catch {
        document.getElementById('display').value = 'Error';
     }
   }
   </script>
   </body>
   </html>
```

Ecommerce website

Program code:

```
import React, { useEffect, useState } from 'react';
import { BrowserRouter as Router, Routes, Route, Link } from 'react-router-dom';
import axios from 'axios';

const Home = () => {
  const [products, setProducts] = useState([]);
```

```
useEffect(() => {
  axios.get('http://localhost:5000/api/products')
    .then(res => setProducts(res.data))
    .catch(err => console.error('Error:', err));
}, []);
```

```
return (
```

```
const handleLogin = async (e) => {
  e.preventDefault();
  try {
    const res = await axios.post('http://localhost:5000/api/login', { email, password });
    localStorage.setItem('token', res.data.token);
    alert('Logged in');
  } catch {
    alert('Login failed');
  }
};
```

```
const Signup = () => {
  const [email, setEmail] = useState('');
  const [password, setPassword] = useState('');
```

```
const handleSignup = async (e) => {
  e.preventDefault();
  try {
    await axios.post('http://localhost:5000/api/signup', { email, password });
    alert('Signup successful');
  } catch {
    alert('Signup failed');
  }
};
```

```
return (
    <form onSubmit={handleSignup}>
        <h2>Signup</h2>
        <input placeholder="Email" onChange={(e) => setEmail(e.target.value)} required />
```

export default App;