

Roll no: 202501100500035

Name: Animesh Raj (CSIT)

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calculator</title>

<style>
:root {
    --bg: #0f1724;
    --screen: #1e293b;
    --btn: #334155;
    --btn-hover: #475569;
    --accent: #38bdf8;
    --text: #f1f5f9;
    --radius: 12px;
    font-family: "Poppins", sans-serif;
}

body {
    margin: 0;
    background: var(--bg);
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    color: var(--text);
}

.calculator {
    width: 320px;
    background: #0b1220;
    padding: 20px;
    border-radius: var(--radius);
    box-shadow: 0 0 20px rgba(0,0,0,0.4);
}
```

```
.screen {  
    width: 100%;  
    height: 80px;  
    background: var(--screen);  
    border-radius: var(--radius);  
    font-size: 32px;  
    text-align: right;  
    padding: 20px;  
    box-sizing: border-box;  
    overflow: hidden;  
}  
  
}
```

```
.buttons {  
    margin-top: 20px;  
    display: grid;  
    grid-template-columns: repeat(4, 1fr);  
    gap: 12px;  
}  
  
}
```

```
button {  
    padding: 18px;  
    font-size: 20px;  
    border: none;  
    border-radius: var(--radius);  
    background: var(--btn);  
    color: var(--text);  
    cursor: pointer;  
    transition: 0.2s;  
}  
  
button:hover {  
    background: var(--btn-hover);  
}  
  
}
```

```
.operator {  
    background: var(--accent);  
    color: #000;  
    font-weight: bold;  
}  
  
}
```

```
.equal {  
    grid-column: span 2;  
    background: #10b981;  
    font-weight: bold;  
}  
  
}
```

```
.clear {  
background: #ef4444;  
}  
</style>  
</head>  
  
<body>  
  
<div class="calculator">  
  <div class="screen" id="screen">0</div>  
  
  <div class="buttons">  
    <button class="clear" onclick="clearAll()">AC</button>  
    <button onclick="del()">DEL</button>  
    <button onclick="append('%')">%</button>  
    <button class="operator" onclick="append('/')">÷</button>  
  
    <button onclick="append('7')">7</button>  
    <button onclick="append('8')">8</button>  
    <button onclick="append('9')">9</button>  
    <button class="operator" onclick="append('*')">×</button>  
  
    <button onclick="append('4')">4</button>  
    <button onclick="append('5')">5</button>  
    <button onclick="append('6')">6</button>  
    <button class="operator" onclick="append('-')">-</button>  
  
    <button onclick="append('1')">1</button>  
    <button onclick="append('2')">2</button>  
    <button onclick="append('3')">3</button>  
    <button class="operator" onclick="append('+')">+</button>  
  
    <button onclick="append('0')">0</button>  
    <button onclick="append('.')">. </button>  
    <button class="equal" onclick="calculate()">=</button>  
  </div>  
</div>  
  
<script>  
let screen = document.getElementById("screen");  
  
function append(value) {  
  if (screen.innerText === "0") {  
    screen.innerText = value;  
  } else {  
    screen.innerText += value;  
  }  
}  
function calculate() {  
  let result = eval(screen.innerText);  
  screen.innerText = result;  
}  
</script>
```

```
        } else {
            screen.innerText += value;
        }
    }

function clearAll() {
    screen.innerText = "0";
}

function del() {
    if (screen.innerText.length === 1) {
        screen.innerText = "0";
    } else {
        screen.innerText = screen.innerText.slice(0, -1);
    }
}

function calculate() {
    try {
        screen.innerText = eval(screen.innerText);
    } catch {
        screen.innerText = "Error";
    }
}

// Keyboard Support
document.addEventListener("keydown", (e) => {
    const key = e.key;

    if ("0123456789.-*/%".includes(key)) {
        append(key);
    }
    if (key === "Enter") calculate();
    if (key === "Backspace") del();
    if (key === "Escape") clearAll();
});
</script>

</body>
</html>
```

OUTPUT:

