

Roll no: 202501100500035

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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 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:

