

## Level 1 task 3

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic Calculator</title>
  <style>
    /* General Styles */
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    /* Calculator Container */
    .calculator {
      background: white;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);
      width: 300px;
    }

    /* Display Screen */
    .display {
      width: 100%;
      height: 50px;
      margin-bottom: 10px;
      background: #ddd;
      border: none;
      border-radius: 5px;
      text-align: right;
      padding: 10px;
      font-size: 1.5em;
    }

    /* Button Grid */
    .buttons {
      display: grid;
      grid-template-columns: repeat(4, 1fr);
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        gap: 10px;
    }

    /* Buttons */
    .button {
        background-color: #4CAF50;
        color: white;
        border: none;
        padding: 15px;
        font-size: 1.2em;
        border-radius: 5px;
        cursor: pointer;
    }

    .button:hover {
        background-color: #45a049;
    }

    .button.operator {
        background-color: #f57c00;
    }

    .button.operator:hover {
        background-color: #e65100;
    }

    .button.clear {
        background-color: #d32f2f;
    }

    .button.clear:hover {
        background-color: #b71c1c;
    }

    .button.equals {
        grid-column: span 2;
        background-color: #0288d1;
    }

    .button.equals:hover {
        background-color: #01579b;
    }
</style>
</head>
<body>

    <div class="calculator">

```

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<!-- Display -->


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function appendNumber(number) {
    currentInput += number;
    updateDisplay();
}

// Handle manual input in the display
function handleManualInput() {
    const display = document.getElementById('display');
    currentInput = display.value;
}

// Choose an operator
function chooseOperator(op) {
    if (currentInput === '') return;
    if (previousInput !== '') calculate();
    operator = op;
    previousInput = currentInput;
    currentInput = '';
    updateDisplay();
}

// Clear the display
function clearDisplay() {
    currentInput = '';
    previousInput = '';
    operator = null;
    updateDisplay();
}

// Perform the calculation
function calculate() {
    if (previousInput === '' || currentInput === '' || operator === null) return;
    let result;
    const prev = parseFloat(previousInput);
    const current = parseFloat(currentInput);
    if (isNaN(prev) || isNaN(current)) return;

    switch (operator) {
        case '+':
            result = prev + current;
            break;
        case '-':
            result = prev - current;
            break;
        case '*':
            result = prev * current;
            break;
    }
}

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        case '/':
            result = current !== 0 ? prev / current : 'Error';
            break;
        default:
            return;
    }
    currentInput = result.toString();
    operator = null;
    previousInput = '';
    updateDisplay();
}
</script>

</body>
</html>
```