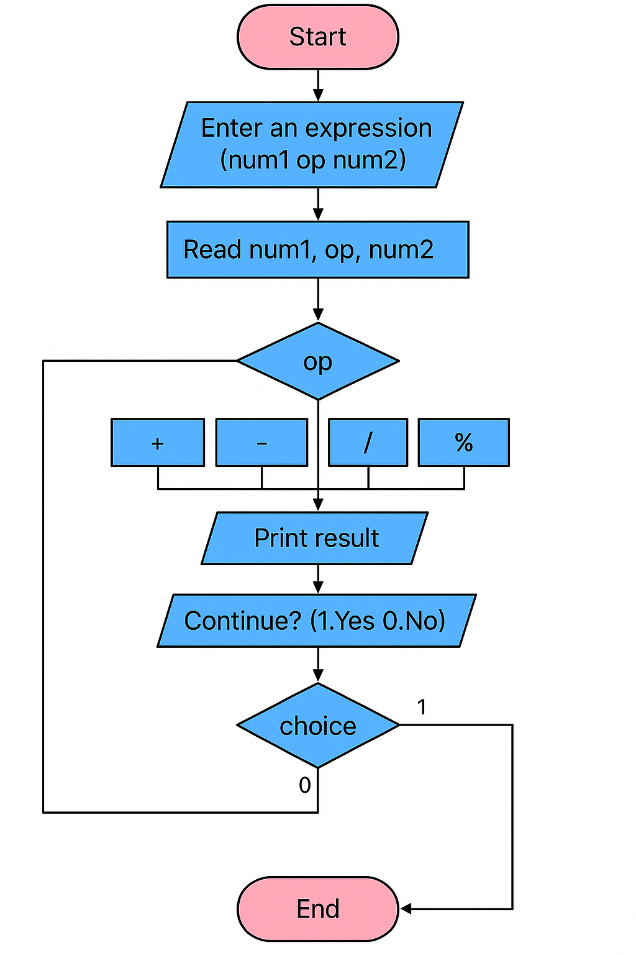
**1. Simple Calculator Program**

**Algorithm:**

1. Start
2. Declare num1, num2, choice, and op
3. Loop until the user chooses to quit:
   * Prompt user to enter an expression (num1 op num2)
   * Read the input values
   * Perform operation based on op:
     + + → Addition
     + - → Subtraction
     + \* → Multiplication
     + / → Division
     + % → Modulus
   * Print the result
   * Ask the user if they want to continue
4. If the user enters 0, exit the loop.
5. End

**Flowchart:**

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**2. Quadratic Equation Solver**

**Algorithm:**

1. Start
2. Declare variables: a, b, c, d
3. Prompt user to enter coefficients a, b, c
4. Read input values
5. If a == 0, print "Not a quadratic equation!" and exit
6. Compute the discriminant: d = b² - 4ac
7. If d > 0, compute and print two real roots
8. If d == 0, compute and print one repeated real root
9. If d < 0, compute and print complex roots
10. End

**Flowchart:**

