BEGIN

DISPLAY "Select an operation:"

DISPLAY "1. Addition"

DISPLAY "2. Subtraction"

DISPLAY "3. Multiplication"

DISPLAY "4. Division"

GET operation

IF operation is not 1, 2, 3, or 4 THEN

DISPLAY "Please make another selection from the provided options"

GO TO start of program

ENDIF

DISPLAY "Enter the first number:"

GET num1

DISPLAY "Enter the second number:"

GET num2

IF operation = 1 THEN

result is num1 + num2

ELSE IF operation = 2 THEN

result is num1 - num2

ELSE IF operation = 3 THEN

result is num1 \* num2

ELSE IF operation = 4 THEN

IF num2 = 0 THEN

DISPLAY "Error: Cannot divide by zero."

GO TO start of program

ELSE

result is num1 / num2

ENDIF

ENDIF

DISPLAY "Result = ", result

DISPLAY "Would you like to perform another calculation? (Y/N)"

GET choice

IF choice = "Y" THEN

GO TO start of program

ELSE

DISPLAY "Goodbye!"

END

ENDIF

END