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AlgoExercise 6.11

LE6_11 Add Digits. Create a program that extracts and adds the two least significant digits of an integer.

main()

START

1. PROMPT and GET integer, num
2. CALL first LSD, digit1 = extractFirstLSD(num)
3. CALL second LSD, digit2 = extractSecondLSD(num)
4. CALL sum, sum = sumDigits(digit1, digit2)
5. DISPLAY sum, digit1 + digit2 = sum

END

extractFirstLSD (int num)

START

1. COMPUTE for First significant digit, digit1 = num % 10

RETURN digit1

extractSecondLSD (int num)

START

1. COMPUTE for Second significant digit, digit2 = (num / 10) % 10

RETURN digit2

sumDigits (int x, int y)

START

1. COMPUTE for sum, sum = x + y

RETURN sum

