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BEGIN

INITIATE a scanner for user input and set it as a variable named scanner

PRINT welcome message for user and request an integer between 1 and 10 from the user

READ the user input from scanner and assign this value to a variable named numIntegers

INITIATE a variable to hold the sum of all integers and name it sumIntegers

INITIATE a variable to hold the number of positive integers and name it numPositiveIntegers

INITIATE a variable to hold the sum of all positive integers and name it sumPositiveIntegers

INITIATE a variable to hold the greatest integer and name it greatestInteger

INITIATE a variable to hold the smallest integer and name it smallestInteger

INITIATE a variable to hold a string of all integers and name it allIntegers

FOR a variable named iterator WHILE iterator is less than or equal to the number of integers INCREMENT iterator by one

PRINT a separator

PRINT a statement telling the user to input an integer

READ user input from scanner and assign this value to an integer named currentInteger

ADD the current integer to the sum of all integers

IF the current integer is positive THEN

INCREMENT the number of positive integers by 1

ADD the current integer to the sum of positive integers

ENDIF

IF the current integer is greater than the greatest integer or if this is the first integer THEN SET the greatest integer to the current integer

IF the current integer is smaller than the current integer or if this is the first integer THEN SET the smallest integer to the current integer

IF this is the first integer THEN APPEND the current integer to the string of all integers

ELSE APPEND a comma and then the current integer to the string of all integers

CALCULATE the number of zeros by subtracting the length of the current integer with the zeros removed from the length of the current integer

PRINT the number of zeros

ENDFOR

PRINT a separator

CALCULATE the average of all integers by dividing the sum of all integers by the number of integers

CALCULATE the average of all positive integers by dividing the sum of all positive integers by the number of positive integers

PRINT the list of all integers

PRINT the number of positive integers

PRINT the average of the positive integers

PRINT the average of all integers

PRINT the greatest integer

PRINT THE smallest integer

END