CSC105

**PreLab07**

Analyze scores:

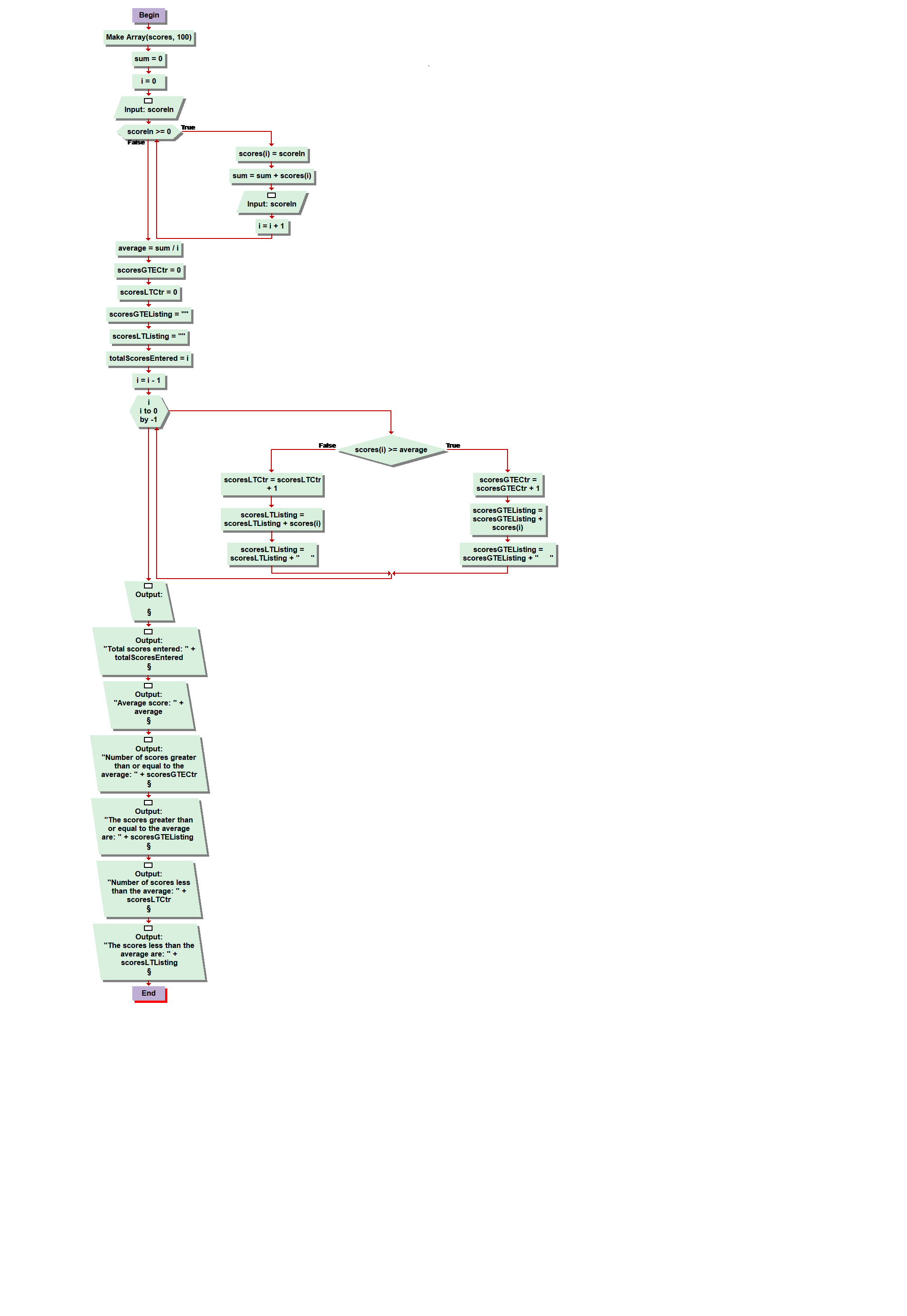
Write a Python program called AnalyzeScores.py that reads an unspecified number of scores and determines how many scores are above or equal to the average and how many scores are below the average. Enter a negative number to signify the end of the input. Assume that the maximum number of scores is 100.

Here is a sample run:

Graphical user interface, text, application

Description automatically generated

See flowchart and comments below:

Text

Description automatically generated

**# Comments**

**# Create a listing of size 100**

**# Initialize scores accumulator to 0**

**# Initialize loop counter to 0**

**# Get first score in**

**# while valid scores are entered**

**# assign score in to list element**

**# accumulate scores**

**# get next score in**

**# add 1 to loop counter**

**# calculate average**

**# initialize scores GTE counter to 0**

**# initialize scores LT counter to 0**

**# initialize scores GTE listing**

**# initialize scores LT listing**

**# initialize total scores to the loop counter**

**# subtract 1 to get to last element entered**

**# loop down to the first element in the list**

**# test if element is GTE average**

**# add 1 to appropriate counter**

**# add score to appropriate listing**

**# add blanks to separate scores**

**# space down a line**

**# output total scores entered**

**# output average**

**# output scores ctr >= average**

**# output scores >= average listing**

**# output scores < average**

**# output scores < average listing**

Please send me your PreLab07 as an attachment in a BlackBoard message.