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1  4-27-2019
2  activity
3
4  Given the following getFloat function:
5
6  > getFloat :: IO Float
7  > getFloat = do line <- getLine
8  >               return (read line :: Float)
9
10 Write a function getSum
11
12 > getSum :: IO (Float, Float)
13 > getSum = do val <- getFloat
14 >               if (val == -1)
15 >               then return (0,0)
16 >               else do (n,mySum) <- getSum
17 >                       return (n+1, mySum+val)
18
19 that reads in an unbounded series of Floats, stopping only when it reads in
20 the value -1. It then returns pair consisting of
21
22 (i) the number of values read (not counting the -1) and
23 (ii) the sum of those values (again, ignoring the -1).
24
25 This program should not prompt the user or display any other messages
26 to the screen. For example, your program should behave as follows
27 (the final line is the actual value returned by getSum):
28
29 Example run:
30
31 *Main > getSum
32 100
33 3
34 54
35 -1
36 (3.0 ,157)

```