

P5 :: Histogram This!

Given a set of lines of English text (including spaces and punctuation), you are to report the top ten most frequently used characters (regardless of capitalization) and their count totals. For these calculations, you are to ignore all characters other than the (lowercase and uppercase) letters ‘a’ through ‘z’. If two letters have the exact same count total, then you should order the letters alphabetically in order (i.e., the letter ‘a’ should be output before ‘b’).

Input Format

Your program will read from standard input. You will receive a series of lines containing an arbitrary number of characters including spaces (though each line will have no more than 80 characters). The final line of input will be a single line containing a single “.” (period) on a line by itself. The input will always contain at least ten different letters.

Output Format

Your program will write to standard output. Your program will produce ten lines of output of the form “character count” where the counts are decreasing and ties are ordered alphabetically.

Sample Input and Corresponding Sample Output

Sample Input	Sample Output
Given a set of lines of English text (including spaces and punctuation), you are to report the top ten most frequent letters .	e 14 t 14 n 10 o 8 s 7 i 6 a 5 r 5 u 5 l 4
abcDEFghijkl .	a 1 b 1 c 1 d 1 e 1 f 1 g 1 h 1 i 1 j 1