

“Paragraph Analyzer”

Problem: Analyze two paragraphs. For each paragraph, print the number of words in the longest sentence and the the number of distinct words in the paragraph. For the second paragraph only, alphabetize the distinct words and print the 10th smallest. Label your outputs.

You can input the two paragraphs in whatever way is convenient for you. Do not distinguish between upper and lower case letters. Words are terminated by white space or punctuation (commas, hyphens, colons, and semi-colons). Sentences are terminated by a question mark or a period.

Sample Input:

Paragraph 1: To be or not to be, that’s the question.

Paragraph 2: A wise man is not one who knows
all the answers. But one who knows how to
find the answers. A foolish man is one who
knows neither.

Sample Output:

Output #1: words in longest sentence in paragraph 1: 9
Output #2: number of distinct words in paragraph 1: 7
Output #3: words in longest sentence in paragraph 2: 11
Output #4: number of distinct words in paragraph 2: 17
Output #5: 10th smallest distinct word in paragraph 2: man

(Note: The distinct words in the 1st paragraph, in sorted order, are: be not or question that’s the to. In the 2nd paragraph, they are: a but all answers find foolish how is knows man neither not one the to who wise.)

“Paragraph Analyzer”

Test Input:

Paragraph 1:

Did he ever return? No, he never returned
and his fate is still unknown. He may ride
forever neath the streets of Boston, he’s
the man who never returned.

Paragraph 2:

Oh, somewhere in this favored land the sun is shining bright,
the band is playing somewhere, and somewhere hearts are light.
And somewhere men are laughing, and little children shout;
but there is no joy in Mudville. Mighty Casey has struck out.

Test Output:

Output #1: words in longest sentence in paragraph 1: 15
Output #2: number of distinct words in paragraph 1: 24
Output #3: words in longest sentence in paragraph 2: 21
Output #4: number of distinct words in paragraph 2: 32
Output #5: 10th smallest distinct word in paragraph 2: hearts