
Simple types and strings (2)

P16327_en

You have to program several functions. In each case, few lines of code are enough. *Warning:* do not use the `split` string method.

1. Write a function `um_count(s)` that given an string `s` returns the number of times character `u` is followed by character `m` in string `s`.
2. Write an integer function `word_count(s)` that returns the number of words in string `s`. We assume all characters of `s` are letters and spaces.
3. Write a function `kth_word(s, k)` that given a string `s` and an integer $k \geq 1$ returns the *k*th word in string `s`. If `s` has less than *k* words it returns the empty string. We assume all characters of `s` are letters and spaces.
4. Write a function `suc_word(s)` that given a string `s` and returns the first word in string `s` that has some uppercase letter. If all the letters in `s` are lowercase it returns the empty string. We assume all characters of `s` are letters and spaces.
5. Write a function `drawA(n)` that given an odd integer $n \geq 3$ prints a letter `A` of size *n* formed with symbol `*`.

Scoring

Every function counts 20 points.

Sample session

```
>>> um_count("Qui invenit amicum invenit thesauruM")
1
>>> word_count("Alea iacta          est")
3
>>> kth_word("Alea iacta est", 3)
est
>>> suc_word("qui invenit amiCum invenit thesauruM")
amiCum
>>> drawA(5)
  *
 * *
*****
 *   *
 *   *
```

Problem information

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