22C:16 Practice for Quiz 8

1. Here are some expressions involve string operations that we discussed in class the week before spring break. Try to figure out the values of these expresssions without using the Python shell. Then you can check your solutions by executing these expressions at the Python shell. If you are not quite sure why an expression evaluates to a particular value, please ask the professor or one of the TAs.

   For this problem, suppose that `s` is the string `"Hello, how are you?"` What does each of the following expression evaluate to?

   (a) `s.find("how")`

   (b) `s.count("o")`

   (c) `s.split()[1:3]`

   (d) `s.upper()`

   (e) `s.isalnum()`

   (f) `s.replace("how", "who")`

   (g) `s.split(",")`

   (h) `chr(ord("a") + 25)`

   (i) `chr(ord("m") - (ord("a") - ord("A")))`

   (j) `"*".join(s.split())`

2. Define a *sentence* in a text as any sequence of characters that ends with a period (`"."`). Write a program that reads from a file called "input.txt" and outputs the number of sentences in the file.