**[Animal Quiz, Akira's Version](https://bbhosted.cuny.edu/webapps/blackboard/content/launchLink.jsp?course_id=_1399857_1&content_id=_31511877_1&mode=view)**

In this game, a player is asked by computer to type in several animal names such as "dog," "cat," etc., in the beginning of the game session. There is no limit to the count of the names but these names must be space delimited. When entering a return key without typing anything (i.e., empty line), this process of input cycle ends. So, use getline()discussed in recent lecture to realize this input logic - the concrete process to tokenize each name can be reproduced from lectured coding demonstration.

The computer will pick up 1 to 3 names from those entered by the player. They are shuffled to produce a random word. The player will be asked to identify the names, given a hint of how many animals in that word. The player needs to type in names (or a name if asked one). Typing "?" will show the name list, and typing "quit" will end the game.

When succeeding to answer in two consecutive rounds, the computer's challenge becomes harder by striking out a character one by one. The position to strike out is chosen at random. So, succeeding 4 consecutive times, the random word has two strikes out shown by underscore "\_" characters. On the other hand, failing to answer in two consecutive rounds, the computer's challenge becomes easier by reducing the count of strikes out. The sample session follows.

Enter at least five animal names, e.g., cat, dog, etc...  
> dog cat  
> snake zebra  
> tiger  
>  
1: dog  
2: cat  
3: snake  
4: zebra  
5: tiger  
  
What are 2 animals in "gbzeoard" ? zebra dog  
Yes!  
  
What are 2 animals in "dgaoct" ? dog cat  
Yes!  
Succeeded two consecutive times, challenge goes up!  
  
What are 1 animal in "ezar\_" ? zebra  
Yes!  
  
What are 1 animal in "do\_" ? dog  
Yes!  
Succeeded two consecutive times, challenge goes up!  
  
What are 1 animal in "z\_\_ae" ? zebra  
Yes!  
  
What are 2 animals in "okadg\_\_n" ? dog snake  
Yes!  
Succeeded two consecutive times, challenge goes up!  
  
What are 1 animal in "\_ke\_\_" ? snake  
Yes!  
  
What are 2 animals in "e\_d\_g\_ir" ? tiger dog  
Yes!  
Succeeded two consecutive times, challenge goes up!  
  
What are 3 animals in "et\_s\_\_era\_ngk" ? cat zebra snake  
Nope!  
  
What are 1 animal in "\_\_i\_\_" ? dog snake  
Your number of input is incorrect. Enter again: dog  
Nope!  
Missed two consecutive times, challenge goes down!  
  
What are 1 animal in "\_\_\_" ? cat  
Yes!  
  
What are 3 animals in "koge\_\_zsaa\_db" ? ?  
1: dog  
2: cat  
3: snake  
4: zebra  
5: tiger  
Your number of input is incorrect. Enter again: quit  
Bye...

This assignment will ask you to use <string>,  [string::getline()](http://www.cplusplus.com/reference/string/string/getline/), <vector> andrandom\_shuffle() or shuffle()  from [<algorithm>](http://www.cplusplus.com/reference/algorithm/)  to  reduce the amount of coding. You can find many examples on the Web -- see [here](http://stackoverflow.com/questions/6926433/how-to-shuffle-a-stdvector) for instance.