



Question-1 Animal Feast

All the animals are having a feast! Each animal is bringing one dish. There is just one rule: *the dish must start and end with the same letters as the animal's name*. For example, the *great blue heron* is bringing *garlic naan* and the *chickadee* is bringing *chocolate cake*.

Write a method that takes the animal's name and dish as arguments and returns true or false to indicate whether the beast is allowed to bring the dish to the feast.

Assume that beast and dish are always lowercase strings, and that each has at least two letters. Beast and dish may contain hyphens and spaces, but these will not appear at the beginning or end of the string. They will not contain numerals.

Question-2 First Non-repeating Vowel

Given a string, write a method to find the **first non-repeating vowel** (a, e, i, o, u) in it and return its index. If it doesn't exist, return -1. Assume that all the characters of the String is lowercase.

(Do not use String class functions other than *charAt()* and *length()*)

Example input String => "google"

access g, o, o, g, l, e one by one

check if g, o, o, g, l, e is vowel or not

check if o occurrence is more than 1

check if e occurrence is more than 1

Perform **step by step** approach.

What you need **first**?

We need to **access** every character in the given String.

That means we need a **loop** for accessing all characters.

Since our target is **vowel** characters, we need a **condition**

check mechanism if the current character that we access with the loop iteration is a vowel or not.

We need to **check every vowel** character in the given String with **all the vowel** characters in the String.

That means we need a **nested loop** for accessing and checking all the vowels **one by one**.