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**Classification of characters (1)****P42042\_en**

Write a program that reads a letter, and that tells if it is an uppercase letter or a lowercase letter, and that also tells if it is a vowel or a consonant. Here, assume that the vowels are 'a', 'e', 'i', 'o' and 'u', and their corresponding uppercase letters.

**Input**

Input consists of a letter.

**Output**

Tell if the letter is uppercase or lowercase, and also tell if it is a vowel or a consonant. Follow the format of the examples.

**Sample input 1**

E

**Sample output 1**

uppercase  
vowel

**Sample input 2**

H

**Sample output 2**

uppercase  
consonant

**Sample input 3**

g

**Sample output 3**

lowercase  
consonant

**Sample input 4**

u

**Sample output 4**

lowercase  
vowel

**Problem information**

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