



STUDENT REPORT

DETAILS

Name

B SHRINIVAS

Roll Number

KUB23CSE018

EXPERIMENT

Title

VOWEL REPETITION PROBLEM

Description

Given a string s print the most frequent vowel that is present in the string as a output.

Input Format:

A single line containing the string s.

The input will be read from the STDIN by the candidate

Output Format:

Print a single character which represents the most frequent vowel in the given string.

Example:

Input:

helloworld

Output:

o

Source Code:

```
def most_frequent_vowel(s):  
    vowels = 'aeiou'  
    count = {v: 0 for v in vowels}  
  
    # Count occurrences of each vowel  
    for char in s.lower(): # Convert to lowercase for case insensitivity  
        if char in count:  
            count[char] += 1  
  
    # Find the most frequent vowel  
    most_frequent = None  
    max_count = 0  
  
    for vowel, freq in count.items():  
        if freq > max_count:  
            max_count = freq  
            most_frequent = vowel  
        elif freq == max_count and most_frequent is not None:  
            # In case of a tie, choose the first one encountered  
            continue  
  
    if most_frequent is not None:  
        print(most_frequent)  
    else:  
        print("") # If no vowels were found, print an empty line  
  
# Example usage:  
input_string = input().strip() # Read input  
most_frequent_vowel(input_string)
```

RESULT

5 / 5 Test Cases Passed | 100 %