STUDENT REPORT

DETAILS

Name

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Roll Number

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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:

```python
def most_frequent_vowel(s):
    # Define the set of vowels
    vowels = "aeiou"

    # Create a dictionary to count the frequency of each vowel
    frequency = {v: 0 for v in vowels}

    # Count the frequency of each vowel in the string
    for char in s:
        if char in frequency:
            frequency[char] += 1

    # Find the vowel with the highest frequency
    most_frequent = None
    max_count = 0

    for vowel in vowels:
        if frequency[vowel] > max_count:
            max_count = frequency[vowel]
            most_frequent = vowel

    return most_frequent

# Read input from standard input
s = input().strip()
# Get the most frequent vowel
result = most_frequent_vowel(s)
# Print the result
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %