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):
    vowels = 'aeiou'
    vowel_count = {v: 0 for v in vowels}  # Initialize
a dictionary to count vowels
    # Count the occurrences of each vowel in the strin
g
    for char in s.lower():  # Convert to lowercase for
uniformity
        if char in vowel_count:
            vowel_count[char] += 1
    # Find the vowel with the maximum frequency
    most_frequent = ''
    max_count = 0
    for vowel, count in vowel_count.items():
        if count > max_count:
            max_count = count
            most_frequent = vowel
        elif count == max_count and count > 0:
            # In case of a tie, keep the first encount
ered vowel
            if most_frequent == '':
                most_frequent = vowel
    # If no vowels are found, we can decide how to han
dle it, but here we'll just return None
    return most_frequent if max_count > 0 else None
# Read input
s = input().strip()
# Get the most frequent vowel and print it
result = most_frequent_vowel(s)
if result:
    print(result)
else:
    print("No vowels found")
```

RESULT

5 / 5 Test Cases Passed | 100 %