



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:

```

def most_frequent_vowel(s):
    # Initialize a dictionary to count vowels
    vowels = 'aeiou'
    count = {v: 0 for v in vowels}

    # Count each vowel in the string
    for char in s.lower(): # Convert to lowercase to handle case insensitivity
        if char in count:
            count[char] += 1

    # Find the vowel with the maximum count
    max_count = -1
    most_frequent = None

    for vowel, c in count.items():
        if c > max_count:
            max_count = c
            most_frequent = vowel

    # If no vowel was found, we can return a message or handle accordingly
    if most_frequent is None:
        return "No vowels found"

    return most_frequent

# Read input from the standard input
s = input().strip() # Read the string and strip any extra whitespace
result = most_frequent_vowel(s)
print(result)

```

RESULT

5 / 5 Test Cases Passed | 100 %