# STUDENT REPORT

## DETAILS

**Name**

SRINIVAS RAO B

**Roll Number**

3BR23AI156

## 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 vowels
    vowels = 'aeiou'
    # Create a dictionary to count the vowels
    vowel_count = {vowel: 0 for vowel in vowels}

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

    # Find the most frequent vowel
    max_count = 0
    most_frequent = ''

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

    return most_frequent if max_count > 0 else ''

# Input handling
s = input().strip()

# Output the result
print(most_frequent_vowel(s))
```

RESULT

5 / 5 Test Cases Passed | 100 %