# STUDENT REPORT

## DETAILS

**Name**

> Manoj D

**Roll Number**

> 22B124ME444-T

## 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}
    for char in s.lower():
        if char in count:
            count[char]+=1
    most_frequent=None
    max_count=0
    for vowel in vowels:
        if count[vowel]>max_count:
            max_count=count[vowel]
            most_frequent=vowel
    if most_frequent is None:
        return None
    return most_frequent
input_string=input().strip()
result=most_frequent_vowel(input_string)
if result:
    print(result)
```

## RESULT

5 / 5 Test Cases Passed | 100 %