![Logo]

STUDENT REPORT

DETAILS

Name

SIDIGONDE BHARATH KUMAR

Roll Number

TEMPBTech-ECE004

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'
    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 %