



# STUDENT REPORT

## DETAILS

### Name

SHAIKH MOHAMMAD KAIF

### Roll Number

KUB23CSE131

## 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):
    # Define vowels
    vowels = "aeiou"
    # Initialize a dictionary to count vowels
    count = {v: 0 for v in vowels}

    # Count each vowel in the string
    for char in s:
        if char in count:
            count[char] += 1

    # Find the most frequent vowel
    most_frequent = None
    max_count = 0

    for char in s:
        if char in count and count[char] > max_count:
            max_count = count[char]
            most_frequent = char

    return most_frequent

# Read input from stdin
import sys
input_string = sys.stdin.read().strip()

# Get the result and print it
result = most_frequent_vowel(input_string)
print(result)

```

## RESULT

5 / 5 Test Cases Passed | 100 %