Logo

STUDENT REPORT

DETAILS

Name

B VASUDEVA REDDY

Roll Number

KUB23CSE019

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'
    vowel_count = {v: 0 for v in vowels}  # Initialize counts for each vowel

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

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

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

    # If no vowels were found, handle accordingly
    if most_frequent is None:
        return None  # Or handle the case as needed (e.g., print a message)

    return most_frequent

# Example Usage
s = input()  # Read input from the user
result = most_frequent_vowel(s)
if result:
    print(result)
else:
    print("No vowels found.")
```

RESULT

5 / 5 Test Cases Passed | 100 %