



STUDENT REPORT

DETAILS

Name

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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 the vowels  
    vowels = 'aeiou'  
    # Dictionary to count occurrences of each vowel  
    count = {vowel: 0 for vowel in vowels}  
  
    # Count the occurrences of each vowel in the string  
    for char in s.lower(): # Convert to lowercase to make the count case insensitive  
        if char in count:  
            count[char] += 1  
  
    # Find the most frequent vowel  
    max_count = 0  
    most_frequent = None  
  
    for vowel, cnt in count.items():  
        if cnt > max_count:  
            max_count = cnt  
            most_frequent = vowel  
        elif cnt == max_count:  
            most_frequent = None # Handle tie by resetting to None  
  
    # Print the result  
    if most_frequent is not None:  
        print(most_frequent)  
    else:  
        print("") # If there is no vowel, print an empty line  
  
# Example usage  
if __name__ == "__main__":  
    import sys  
    input_string = sys.stdin.read().strip() # Read input from STDIN  
    most_frequent_vowel(input_string)
```

RESULT

5 / 5 Test Cases Passed | 100 %