S.No: 17	Exp. Name: *Program to count the number of vowels in a given string using sets.*	Date:2025-04-09

Aim:

Write a program to count the number of vowels using sets in a given string.

Input Format:

- The program should prompt the user to enter the string.

Output Format:

- The program should print the count of vowels present in the string.

Source Code:

noofvowels.py

```python
def vowel_count(str):
    count = 0
    vowel = set("aeiouAEIOU")
    for char in str:
        if char in vowel:
            count +=1
    print(count)
    # Write your code here to count the vowels

str = input()
vowel_count(str)
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Hello World
3

Test Case - 2
User Output
Rhythm
0

Test Case - 3
User Output
CodeTantra
4