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AIM: To implement string operations using Python functions, including counting vowels, case conversion, substring checking, and string removal.

HARDWARE & SOFTWARE REQUIREMENTS: Hardware:16GB RAM, Intel Processor(i9), Software: Python (Version 3.x), Google Colab (Cloud-based)

SYSTEM CONFIGURATION: Operating System: Windows 11, IDE: Google Colab

THEORY: Strings in Python are sequences of characters and support various operations like iteration, searching, and modifications. Built-in functions like .lower(), .upper(), .replace() are commonly used, but here we implement them manually where required.

REFERENCES: Geeks for Geeks, Python Documentation: https://docs.python.org/3/

1) Count how many vowels are there in a string. Accept the string from the user.

```
s=input("Enter:")
vowel="aeiouAEIOU"

count=0
for char in s:
    if char in vowel:
        count+=1
print("Number of vowels:", count)

The count is the coun
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