24BIT167 - VANDITA NAWANI

AIM : To implement string operations using python functions, including vowels, case conversation, substring checking and string removal

HARDWARE AND SOFTWARE REQUIREMENTS: hardware 16GB RAM, Intel Processor, Python(version 3.x.), Google Colab

Sysytem Configration :Windows 11, IDE: Google Colab

Theory: string in python are sequence of characters and support various operations like iteration, searching and modification. Build-in functions like lower(), upper(), replace(), are commonly used.

Count how many vowels are there in a string input by user

```
str = input("ENTER A STRING")
vowel = "aeiouAEIOU"

count=0
for char in str:
  if char in vowel:
    count+=1

print("THE NUMBER OF VOWELS ARE", count)
```

```
ENTER A STRINGvandita
THE NUMBER OF VOWELS ARE 3
```

PROBLEM NUMBER 2,3,4 are handwritten