PROGRAM3

BCS358D

Sentence Statistics

Write a Python program that accepts a sentence and find the number of words, digits, uppercase letters and lowercase letters.

```
import string

sentence = input("Enter a sentence : ")

wordList = sentence.strip().split(" ")

print(f'This sentence has {len(wordList)} words', end='\n\n')

 digit_count = uppercase_count = lowercase_count = 0
```

```
for character in sentence:
    if character in string.digits:
        digit_count += 1
    elif character in string.ascii_uppercase:
        uppercase_count += 1
    elif character in string.ascii_lowercase:
        lowercase_count += 1
print(f'This sentence has {digit_count} digits', f' {uppercase_count}
upper case letters', f' {lowercase_count} lower case letters', sep='\n')
```

String Similarity

Write a python program to find the string similarity between two given strings.

```
from difflib import SequenceMatcher

str1 = input("Enter String 1 : ")

str2 = input("Enter String 2 : ")

sim = SequenceMatcher(None, str1, str2).ratio()

print("Similarity between strings \"" + str1 + "\" and \"" + str2 + "\" is : ",sim)
```