Lab – 8 Strings

1. Write a Python program to count the occurrences of each word in a given sentence

string = “To change the overall look of your document. To change the look available in the gallery”

string = "To change the overall look of your document. To change the look available in the gallery"

words = string.split()

word\_count = {}

for word in words:

    word = word.lower().strip(".")

    word\_count[word] = word\_count.get(word, 0) + 1

print("Word Count:", word\_count)

Output

Word Count: {'to': 2, 'change': 2, 'the': 3, 'overall': 1, 'look': 2, 'of': 1, 'your': 1, 'document': 1, 'available': 1, 'in': 1, 'gallery': 1}

2. Write a Python program to remove a newline in Python

String = "\nBest \nDeeptech \nPython \nTraining\n"

string = "\nBest \nDeeptech \nPython \nTraining\n"

cleaned\_string = string.replace("\n", "")

print("String without newlines:", cleaned\_string)

Output

String without newlines: Best Deeptech Python Training

3. Write a Python program to reverse words in a string

String = “Deeptech Python Training”

string = "Deeptech Python Training"

reversed\_words = " ".join(string.split()[::-1])

print("Reversed words:", reversed\_words)

Output

Reversed words: Training Python Deeptech

4. Write a Python program to count and display the vowels of a given text

String=”Welcome to python Training"

string = "Welcome to python Training"

vowels = "aeiou"

vowel\_count = {}

for char in string.lower():

    if char in vowels:

        vowel\_count[char] = vowel\_count.get(char, 0) + 1

print("Vowel Count:", vowel\_count)

Output

Vowel Count: {'e': 2, 'o': 3, 'a': 1, 'i': 2}