**Q1. 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”**

def count\_word\_occurrences(sentence):

words = sentence.lower().split()

# Convert to lower case and split into words word\_count = {}

for word in words:

word = word.strip('.')

if word in word\_count:

word\_count[word] += 1

else:

word\_count[word] = 1

return word\_count

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

word\_occurrences = count\_word\_occurrences(sentence)

print(word\_occurrences)

**OUTPUT:**

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

**Q.2. Write a Python program to remove a newline in Python String = "\nBest \nDeeptech \nPython \nTraining\n"**

def remove\_newlines(input\_string):

return input\_string.replace('\n', ' ')

input\_string = "\nBest \nDeeptech \nPython \nTraining\n"

output\_string = remove\_newlines(input\_string)

print(output\_string)

**OUTPUT:** Best Deeptech Python Training

**Q3.Write a Python program to reverse words in a string String = “Deeptech Python Training”**

def reverse\_words(input\_string):

words = input\_string.split()

reversed\_words = ' '.join(reversed(words))

return reversed\_words

input\_string = "Deeptech Python Training"

output\_string = reverse\_words(input\_string) print(output\_string)

**OUTPUT:**

Training Python Deeptech

**Q4. Write a Python program to count and display the vowels of a given text String=”Welcome to python Training**

def count\_vowels(input\_string):

vowels = "aeiouAEIOU"

count = sum(1 for ch in input\_string if ch in vowels)

return count

input\_string = "Welcome to python Training"

vowel\_count = count\_vowels(input\_string)

print(f"Total vowels are: {vowel\_count}")

**OUTPUT:**

Total vowels are: 8