ANUDIP FOUNDATION

LAB 2: String

Program 1: Write a Python Program to count the occurrence of each word in a given sentence.

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

```
#Define a Function
def word_count(sentence):


    #.lower() Convert the whole sentence in lower case to avoid case-insensitive
    sentence = sentence.lower()

    unique_words = "" #Initialize empty string


    #looping
    for word in sentence.split():

        if word not in unique_words:
            print(f"{word}: {sentence.count(word)}")

            #It add the current word to the unique_words string and Ensures that each word is only counted once.
            unique_words += word +" "

word_count(input("Enter Your sentence : "))
```

Output:

```
Enter Your sentence : To change the overall look of the document. To change the look available in the gallery.
to: 2
change: 2
the: 4
overall: 1
look: 2
of: 1
document.: 1
available: 1
in: 1
gallery.: 1
```

Program 2: Write a Python Program to remove a newline in Python

String = “\nBest \nDeeptech \nPython \nTraining\n”

```
#Input the Sentence
text = "\nBest \nDeeptech \nPython \nTraining\n"

result = ""#Initialize empty string

#looping
for char in text:
    if char != "\n":
        result += char
print(result)


#Alternative method to remove newline by .replace function
string = "\nBest \nDeeptech \nPython \nTraining\n"
result = string.replace("\n", "")
print(result)
```

Output:

```
Best Deeptech Python Training
```

Program 3: Write a Python Program to reverse words in a String
String = “Deeptech Python Training”

```
#Define a function
def reverse_words(text):
    words = text.split()
    reversed_words = words[::-1]
    return ' '.join(reversed_words)

#Input a Sentence or Word
text = input("Enter your Sentence or words :")
print(reverse_words(text))
```

Output:

```
Enter your Sentence or words :Deeptech Python Training
Training Python Deeptech
```

Program 4: Write a Python Program to count and display the vowels of a given text
String = “Welcome to Python Training”

```
#Input the sentence
text = input("Enter your Sentence: ")
vowels = 'aeiouAEIOU'
count = 0

#looping
for char in text:
    if char in vowels:
        count += 1
        print(f"Vowel found: {char}")

print(f"Total vowels: {count}")
```

Output:

```
Enter your Sentence: Welcome to Python Training
Vowel found: e
Vowel found: o
Vowel found: e
Vowel found: o
Vowel found: o
Vowel found: a
Vowel found: i
Vowel found: i
Total vowels: 8
```