

Fourth Industrial Revolution (4IR) Summer School

Python Programming – Day 3 exercises

Strings

Question 1 [Counter]

Write a Python program to read a String from the user. Analyze the read string by printing the total number of:

- Alphabets
- Digits
- Special characters
- Words

```
Enter a string : Today is 12 Jun
Alphabets = 10
Digits = 2
Special characters = 3
Words = 4
```

Question 2 [Palindrome String]

Palindrome string is a special string which reads the same from backward or forward (e.g. mom / eye). Write a Python program to check whether a read String is Palindrome or not.

```
Enter a string : dad
String is Palindrome.
```

Question 3 [Character frequency]

Write a Python program to find the maximum occurring character in a given string.

```
Enter a string : I am enjoying my summer school so far
Highest character frequency is 'm' = 4
```

Question 4 [Largest and smallest word]

Write a Python program to find out the longest and shortest word in a given string.

```
Enter a string : I am still enjoying my summer school so far
Longest word = enjoying
Shortest word = I
```