**ASSIGNMENT ON REGULAR EXPRESSIONS**

**1.** Write a Python program to search the numbers (0-9) of length between 1 to 3 in a given string.

"Exercises number 1, 12, 13, and 345 are important"

**2.** Write a Python program to search some literals strings in a string.   
Sample text : 'The quick brown fox jumps over the lazy dog.'  
Searched words : 'fox', 'dog', 'horse'

**3.** Write a Python program to find the substrings within a string.

**Sample text :**

'Python Exercises, PHP exercises, C# exercises'

**Pattern :** 'exercises' (lower case e or upper case e)

Note: There are multiple instances of exercises in the input string.

**4.** Write a Python program to convert a date of yyyy-mm-dd format to dd-mm-yyyy format.

Eg. 2020-02-10 to 10-02-2020

**5.** Write a Python program to abbreviate 'Road' as 'Rd.' in a given string: Roads are long and wide.

**6.** Write a Python program to split a string with multiple delimiters.

Note : A delimiter is a sequence of one or more characters used to specify the boundary between separate, independent regions in plain text or other data streams. An example of a delimiter is the comma character, which acts as a field delimiter in a sequence of comma-separated values.

**7.** Write a Python program to check a decimal with a precision of 2: 10 learners have scored 99.99%ile in CAT exam.

**8.** Write a Python program to remove the parenthesis area in a string.   
Sample data : ["example (.com)", "resource", "github (.com)", "stackoverflow (.com)"]  
Expected Output:   
example  
resource  
github  
stackoverflow