

Assignment 4

The following questions need to be solved using regular expressions in Python.

1. Write a Python program to check that a string contains only a certain set of characters (in this case a-z, A-Z and 0-9).
2. Write a Python program that matches a string that has an a followed by zero or more b's.
3. Write a Python program that matches a string that has an a followed by one or more b's.
4. Write a Python program to find sequences of one upper case letter followed by lower case letters.
5. Write a Python program that matches a string that has an 'a' followed by anything, ending with 'b'.
6. Write a Python program that matches a word containing 'z', not start or end of the word.
7. Write a Python program to search the numbers (0-9) of length between 1 to 3 in a given string.
8. 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'

9. Write a Python program to convert a date of yyyy-mm-dd format to dd-mm-yyyy format.
10. Write a Python program to separate and print the numbers and their position of a given string.
11. Write a Python program to find all three, four, five characters long words in a string.
12. Write a Python program to remove everything except alphanumeric characters from a string.
13. Write a Python program to find all adverbs and their positions in a given sentence.

Sample text : "Clearly, he has no excuse for such behavior."

14. Write a Python program to check a decimal with a precision of 2.
15. Write a Python program to remove words from a string of length between 1 and a given number.
16. Write a Python program to remove the parenthesis area in a string.

Sample data : ["example (.com)", "w3resource", "github (.com)", "stackoverflow (.com)"]

Expected Output:

example

w3resource

github

stackoverflow

17. Write a program to check whether an email belongs to iiitkalyani.ac.in or yahoo.in domain or not.