PYTHON LAB ASSIGNMENT-8

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 five 'b'.

3) Write a Python program to find the sequences of one upper case letter followed by lower case letters.

4) Write a Python program that matches a word containing 'h'.

5) Write a Python program to match a string that contains only upper and lowercase letters, numbers, and underscores.

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

7) Write a Python program to search the following words in a given string and also find the **location** within the original string where the pattern occurs.

   Sample text :

   "Success is not the key to happiness. Happiness is the key to success. If you love what you are doing, you will be successful."

   Searched words : *'Success', 'key', 'happiness', 'love'*

8) Write a Python program to replace whitespaces with an underscore and vice versa.

9) Write a Python program to replace whitespaces with an underscore and vice versa.

10) Write a Python program to split a string at uppercase letters.