**1. Write a Python program to find words which are greater than given length k?**

def task1(list\_of\_words: list, k: int):

    output = []

    for i in list\_of\_words:

        if len(i) > k:

            output.append(i)

    return output

list\_of\_words = ['Apple', 'bananana', 'kiwi', 'berry', 'almond']

k = 5

task1(list\_of\_words, k)

['bananana', 'almond']

**2. Write a Python program for removing i-th character from a string?**

def task2(string: str, i):

    string = string.replace(string[i], '')

    return string

task2('abcdefgh', 4)

'abcdfgh'

**3. Write a Python program to split and join a string?**

string = "Write a Python program to split and join a string?"

split = string.split(' ')

print(split)

join = " ".join(split)

print(join)

['Write', 'a', 'Python', 'program', 'to', 'split', 'and', 'join', 'a', 'string?']

Write a Python program to split and join a string?

**4. Write a Python to check if a given string is binary string or not?**

string = input("Enter the string: ")

binary = ['0', '1']

is\_binary = True

for i in string:

    if i not in binary:

        is\_binary = False

if is\_binary:

    print("Binary")

else:

    print("Not Binary")

Enter the string: 101010100001

Binary

string = input("Enter the string: ")

binary = ['0', '1']

is\_binary = True

for i in string:

    if i not in binary:

        is\_binary = False

if is\_binary:

    print("Binary")

else:

    print("Not Binary")

Enter the string: asdcqwe

Not Binary

**5. Write a Python program to find uncommon words from two Strings?**

def task5(string1, string2):

    string1 = string1.split(' ')

    string2 = string2.split(' ')

    uncommon = []

    for i in set(string1):

        if i not in string2:

            uncommon.append(i)

    for i in set(string2):

        if i not in string1:

            uncommon.append(i)

    return uncommon

string1 = "Write a Python program to split and join a string"

string2 = "Write a Python program to find uncommon words from two Strings"

task5(string1, string2)

['and',

'join',

'string',

'split',

'words',

'find',

'from',

'Strings',

'uncommon',

'two']

**6. Write a Python to find all duplicate characters in string?**

def task6(string: str):

    duplicate = []

    for i in string:

        if string.count(i) > 1:

            duplicate.append(i)

    return set(duplicate)

task6("find all duplicate characters in string")

{' ', 'a', 'c', 'd', 'e', 'i', 'l', 'n', 'r', 's', 't'}

**7. Write a Python Program to check if a string contains any special character?**

import re

string = input("Enter a string: ")

regex = re.compile('[@\_!#$%^&\*()<>?/\|}{~:]')

if(regex.search(string) == None):

    print("Given string does not contain special characters")

else:

    print("Given string contains special characters")

Enter a string: qwe\*213(\*(&

Given string contains special characters

import re

string = input("Enter a string: ")

regex = re.compile('[@\_!#$%^&\*()<>?/\|}{~:]')

if(regex.search(string) == None):

    print("Given string does not contain special characters")

else:

    print("Given string contains special characters")

Enter a string: 12312312

Given string does not contain special characters