**Programming Assignment 11**

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

Ans.)

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)

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

Ans.)

def task2(string: str, i):

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

    return string

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

Ans.)

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

split = string.split(' ')

print(split)

join = " ".join(split)

print(join)

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

Ans.)

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")

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

Ans.)

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

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

Ans.)

def task6(string: str):

    duplicate = []

    for i in string:

        if string.count(i) > 1:

            duplicate.append(i)

    return set(duplicate)

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

Ans.)

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")