**Programming Assignment\_11**

**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)

**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)

**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)

**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")

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")

**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)

**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")

**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")

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")