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

Ans: ##to find words which are greater than given length k  
#User defined inputs  
  
l=int(input("enter the length of list"))  
  
def check(word):  
 for j in word:  
 if ord(j) in range(65, 90) or ord(j) in range(97, 122):  
 if j == word[len(word) - 1]:  
 return(1)  
 break  
def check\_length(list):  
 check\_list=[]  
 k=int(input("enter the given length as checkpoint"))  
 for i in list:  
 if len(i)>k:  
 check\_list.append(i)  
 print("words which are greater than given length {} are ".format(k),check\_list)  
def inputs():  
 list=[]  
 i=0  
 while i<5:  
 word=input("enter a word")  
 p=check(word)  
 if p==1:  
 list.append(word)  
 i=i+1  
 else:  
 print("enter a word with english alphabets, words can be case insensitive")  
 check\_length(list)  
inputs()

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

Ans:   
#User defined inputs  
  
str=input("enter a string")  
i=int(input("enter the ith no for which the character in string need to be removed"))  
  
#slice+concantation  
  
str\_new=str[:i-1]+str[i:]  
print("the original string : ",str)  
print("the new string after removal of ith character: ",str\_new)

1. Write a Python program to split and join a string?

Ans: ##split and join a string  
#User defined inputs  
  
str=input("enter a string")  
i=int(input("enter the ith no at which the string will be sliced"))  
  
#slice  
  
str\_firsthalf=str[:i-1]  
str\_secondhalf=str[i-1:]  
print("the original string : ",str)  
print("the first half of the string after slice : ",str\_firsthalf)  
print("the second half of the string after slice : ",str\_secondhalf)  
#concantation  
print("the original string after joining the sliced parts : ",str\_firsthalf+str\_secondhalf)

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

Ans: ##check if a given string is binary string or not  
#user defined inputs  
str=input("enter the string")  
#check for binary string  
count=0  
for i in str:  
 if i=='0' or i=='1':  
 count+=1  
if count==len(str):  
 print("the string is binary")  
else:  
 print("the string is not a binary")

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

Ans: ##to find uncommon words from two Strings  
#user defined inputs  
def extract\_word1(str1):  
 word1\_lis=str1.split()  
 return(word1\_lis)  
def extract\_word2(str2):  
 word2\_lis = str2.split()  
 return (word2\_lis)  
def check1(list1,list2):  
 uncommon1=[]  
 for i in list1:  
 C = 0  
 for j in list2:  
 if i!=j:  
 C+=1  
 if C==len(list2):  
 uncommon1.append(i)  
 return(uncommon1)  
def check2(list1,list2):  
 uncommon2 = []  
 for i in list2:  
 C = 0  
 for j in list1:  
 if i != j:  
 C += 1  
 if C == len(list1):  
 uncommon2.append(i)  
 return (uncommon2)  
str1=input("enter the first string")  
str2=input("enter the second string")  
list1=extract\_word1(str1)  
list2=extract\_word2(str2)  
print(list1)  
print(list2)  
uncommon1=check1(list1,list2)  
uncommon2=check2(list1,list2)  
uncommon=uncommon1+uncommon2  
print("the uncommon words between the strings : ",uncommon)

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

Ans: ##to find all duplicate characters in string  
#user defined inputs  
str=input("eneter a string")  
list=list(str)  
list\_new=[]  
str\_new=""  
print("the original string : ",str)  
#removing duplicates  
for i in list:  
 if i not in list\_new:  
 list\_new.append(i)  
#converting list into string  
for i in list\_new:  
 str\_new+=i  
print("the new string after removal of duplicates : ",str\_new)

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

Ans: ##to check if a string contains any special character  
#import punctuation  
import string  
list=string.punctuation  
#user defined inputs  
str=input("enter a string")  
#checking special characters  
spchar=[]  
for i in str:  
 if i in list:  
 spchar.append(i)  
spchar\_final=[]  
for i in spchar:  
 if i not in spchar\_final:  
 spchar\_final.append(i)  
print("the special characters in the string : ",spchar\_final)