**BASIC PROGRAMMING ASSIGNMENT\_11-SUBMITTED BY SAMUEL DEVDAS**

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

Ans. k=int(input('Enter the length limit k to be greater than:'))

word=input('\n''Enter any sentence to find the words greater than length k:')

split=word.split()

print('\n''The words greater than character length =',k,'are:')

for i in split:

if len(i)>k:

print('\n',i)

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

Ans. string=input('\n''Enter any string:')

i=int(input('Enter the ith character(starts with 0,1,2,...i) to be removed from the string:'))

ocur=int(input('Enter the number of ocuurences (all=-1,first=1,second=2 and so on)of the character to be removed:'))

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

print('String with ith character removed:',string)

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

Ans.string=input('\n''Enter any string:')

string=string.split()

print('\n''String split into words:',string)

join=''

for i in string[0:len(string)]:

join=join+' '+string[string.index(i)]+' '

print('\n''Split words joined back into a string:',join)

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

Ans. string=input('Enter any string to check if it is BINARY:')

stringset=set(string)

binary={'0','1'}

print('stringset',stringset)

if stringset.union(binary)==binary:

print('Its a BINARY string')

else:

print('Its a NON BINARY string')

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

Ans. str1=input('Enter first string:''\n')

str2=input('\n''Enter second string:''\n')

nopunc1=str1.replace(',',' ')

nopunc1=nopunc1.replace('.',' ')

listwords1=nopunc1.split()

setlistwords1=set(listwords1)

nopunc2=str2.replace(',',' ')

nopunc2=nopunc2.replace('.',' ')

listwords2=nopunc2.split()

setlistwords2=set(listwords2)

print('\n''Uncommon words from two Strings:','\n',setlistwords1.symmetric\_difference(setlistwords2))

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

Ans. str1=input('Enter any string:''\n')

setstr1=set(str1)

duplist=[]

for char in setstr1:

if str1.count(char)>1:

duplist.append(char)

print('\n''The duplicate characters in the string are:''\n',duplist)

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

Ans. str2=input('Enter any string:''\n')

splitstr2=[i for i in str2]

for i in range(len(splitstr2)):

if i<(len(splitstr2)-1):

if splitstr2[i].isalnum():

continue

else:

print('Contains special character')

break

elif i==len(splitstr2)-1:

if splitstr2[i].isalnum():

print('No special character')

else:

print('Contains special character')