**Programming\_Assingment11**

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

In [2]:

**def** wordsBiggerThanLenghtK(k,str):

txt **=** str**.**split()

listOfWords **=** []

**for** i **in** txt:

**if** len(i) **>** k:

listOfWords**.**append(i)

**return** listOfWords

str **=** input("Enter the string : ")

k **=** int(input("Enter the lenth K : "))

listword **=** wordsBiggerThanLenghtK(k,str)

print("\nThe original string ' {} '"**.**format(str))

print("Words which are greater than length {}"**.**format(k))

print(listword)

Enter the string : my name is akash deep sahoo3

Enter the lenth K : 4

The original string ' my name is akash deep sahoo3 '

Words which are greater than length 4

['akash', 'sahoo3']

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

In [3]:

*# Removes character at index i*

**def** remove(str, i):

**for** j **in** range(len(str)):

**if** j **==** i:

str **=** str**.**replace(str[i], "", 1)

**return** str

str **=** input("Enter the string : ")

i **=** int(input("Enter the index : "))

*# Print the new string*

print("The new string : ", remove(str, i))

Enter the string : akashdeepsahoo

Enter the index : 5

The new string : akasheepsahoo

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

In [4]:

str **=** "this is a string"

str **=** str**.**split(" ") *# str is converted to a list of strings.*

print("Spliting a string : ",str)

str2 **=** "-"**.**join(str)

print("Joining a string : ",str2)

Spliting a string : ['this', 'is', 'a', 'string']

Joining a string : this-is-a-string

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

In [5]:

**def** checkBinary(str):

binary **=** '01'

**for** i **in** range(len(str)):

**if** str[i] **not** **in** binary:

print('Not Binary')

**break**

**else**:

print('Its a Binary')

str **=** input("Enter the string : ")

checkBinary(str)

Enter the string : akash

Not Binary

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

In [6]:

**def** unCommon(a,b):

list\_a **=** a**.**split()

list\_b **=** b**.**split()

unCom **=**''

**for** i **in** list\_a:

**if** i **not** **in** list\_b:

unCom **=** unCom **+**" "**+** i

**for** j **in** list\_b:

**if** j **not** **in** list\_a:

unCom **=** unCom **+**" "**+** j

**return** unCom

a **=** input("Enter the string a : ")**.**lower()

b **=** input("Enter the string b : ")**.**lower()

print("The list of un Common words : ", unCommon(a,b))

Enter the string a : a wise boy with beautiful girl

Enter the string b : a wise girl with handsome boy

The list of un Common words : beautiful handsome

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

In [8]:

str **=** input("Enter the string a : ")**.**lower()

duplicate **=** []

**for** i **in** str:

**if** str**.**count(i) **>** 1 :

**if** i **not** **in** duplicate:

duplicate**.**append(i)

duplicate

Enter the string a : a mad man with an umbrella

Out[8]:

['a', ' ', 'm', 'n', 'l']

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

In [9]:

**import** string

string\_char **=** string**.**punctuation

spChar **=** []

str **=** input("Enter the string a : ")**.**lower()

**for** i **in** str:

**if** i **in** string\_char:

spChar**.**append(i)

**if** len(spChar) **>** 0:

print("String {} has special charecter/s : {}"**.**format(str,spChar))

Enter the string a : 12###@sjhd

String 12###@sjhd has special charecter/s : ['#', '#', '#', '@']