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

Ans.

def checkLengthOfString():

in\_string = input("Enter the string: ")

in\_length = int(input('Enter the length of the string: '))

out\_string = []

for string in in\_string.split(" "):

if len(string) > in\_length:

out\_string.append(string)

print(','.join(out\_string))

checkLengthOfString()

OUTPUT:

Enter the string: This is my coding program

Enter the length of the string: 2

This,coding,program

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

Ans.

def removeCharacter():

in\_string = input("Enter the String: ")

in\_char\_num = int(input("Enter the ith Character: "))

out\_string = ''

for ele in range(len(in\_string)):

if ele != in\_char\_num:

out\_string = out\_string + in\_string[ele]

print(out\_string)

removeCharacter()

OUTPUT:

Enter the String: VikasGupta

Enter the ith Character: 3

ViksGupta

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

Ans.

def splitJoinString():

in\_string = input('Enter the string: ')

print(f"Split String: {in\_string.split(' ')}")

print(f"Join String: {' '.join(in\_string.split(' '))}")

splitJoinString()

OUTPUT:

Enter the string: My name is Vikas Gupta

Split String: ['My', 'name', 'is', 'Vikas', 'Gupta']

Join String: My name is Vikas Gupta

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

Ans.

def checkBinary():

in\_string = input('Enter the string: ')

stun = 0

for ele in in\_string:

if ele in ['0','1']:

stun = 1

continue

else:

stun = 0

break

statement = 'is a binary string' if stun == 1 else 'is not a binart string'

print(f'{in\_string} {statement}')

checkBinary()

checkBinary()

OUTPUT:

Enter the string: vikas007

vikas007 is not a binart string

Enter the string: 00111000101010

00111000101010 is a binary string

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

Ans.

def uncommon(a, b):

a = a.split()

b = b.split()

k = set(a).symmetric\_difference(set(b))

return k

if \_\_name\_\_ == "\_\_main\_\_":

a = "Hello World"

b = "World is so Beautiful"

print(list(uncommon(a, b)))

OUTPUT:

['Hello', 'is', 'so', 'Beautiful']

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

Ans.

def duplicateChars():

in\_string = input('Enter the string: ')

non\_duplicate\_list = []

duplicate\_list = []

for ele in in\_string:

if ele not in non\_duplicate\_list:

non\_duplicate\_list.append(ele)

else:

duplicate\_list.append(ele)

print(f'Duplicate characters are: {list(set(duplicate\_list))}')

duplicateChars()

OUTPUT:

Enter the string: This world is so beautiful

Duplicate characters are: ['u', 's', 'o', 'i', 'l', ' ']

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

Ans.

def checkSpecialChar():

spl\_chars = '[@\_!#$%^&\*()<>?/\|}{~:]'

in\_num = input('Enter the string: ')

count = 0

char\_list = []

for ele in in\_num:

if ele in spl\_chars:

char\_list.append(ele)

count = count + 1

print(f'There are {count} Speical Characters in {in\_num} which are {char\_list}')

checkSpecialChar()

checkSpecialChar()

OUTPUT:

Enter the string: vikas\_gupta#1@yahoo.com

There are 3 Speical Characters in vikas\_gupta#1@yahoo.com which are ['\_', '#', '@']