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()

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()

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()

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()

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

Ans. def unCommonWords():

    in\_string\_1 = set(input("Enter the String 1: ").split(' '))

    in\_string\_2 = set(input("Enter the String 2: ").split(' '))

    out\_string = (in\_string\_1.union(in\_string\_2)).difference(in\_string\_1.intersection(in\_string\_2))

    print(out\_string)

unCommonWords()

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()

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()