1. 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: INeuron Full Stack Data Science Course is Awesome

Enter the length of the string: 4

INeuron,Stack,Science,Course,Awesome

1. 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: ineuron

Enter the ith Character: 2

inuron

1. 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: Ineuron Full Stack Data Science Course

Split String: ['Ineuron', 'Full', 'Stack', 'Data', 'Science', 'Course']

Join String: Ineuron Full Stack Data Science Course

1. 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: 1234

1234 is not a binart string

Enter the string: 1010101

1010101 is a binary string

1. 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()

Output:

Enter the String 1: Supervised Learning

Enter the String 2: Unsupervised Learning

{'Unsupervised', 'Supervised'}

1. 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: full stack data science course

Duplicate characters are: ['s', 't', 'c', 'l', 'a', 'e', ' ', 'u']

1. 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: DS @ Ineuron by Sudhanshu & krish

There are 2 Speical Characters in DS @ Ineuron by Sudhanshu & krish which are ['@', '&']

Enter the string: Full Metal Alchemist : Brotherhood

There are 1 Speical Characters in Full Metal Alchemist : Brotherhood which are [':']