1. Python – Replace multiple words with K

import re

test\_string = "investment in knowledge pays the best interest"

print("The original string is : " + str(test\_string))

word\_list = ["investment", 'pays', 'interest']

replace\_word = 'k'

replaced\_string = re.sub("|".join(sorted(word\_list, key = len, reverse = True)), replace\_word, test\_string)

print("String after multiple replace : " + str(replaced\_string))

1. Python | Permutation of a given string using inbuilt function

from itertools import permutations

def allPermutations(str):

permList = permutations(str)

for perm in list(permList):

print (''.join(perm))

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

str = 'ABC'

allPermutations(str)

1. Python | Check for URL in a String

myString = "These are the links http://www.google.com and http://stackoverflow.com/questions/839994/extracting-a-url-in-python"

print re.findall(r'(https?://[^\s]+)', myString)

1. Execute a String of Code in Python

def exec\_code():

LOC = """

def factorial(num):

fact=1

for i in range(1,num+1):

fact = fact\*i

return fact

print(factorial(5))

"""

exec(LOC)

exec\_code()

1. String slicing in Python to rotate a string

def rotate(input,d):

Lfirst = input[0 : d]

Lsecond = input[d :]

Rfirst = input[0 : len(input)-d]

Rsecond = input[len(input)-d : ]

print ("Left Rotation : ", (Lsecond + Lfirst) )

print ("Right Rotation : ", (Rsecond + Rfirst))

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

input = 'pythonvspython'

d=2

rotate(input,d)

1. String slicing in Python to check if a string can become empty by recursive deletion

def checkEmpty(input, pattern):

if len(input)== 0 and len(pattern)== 0:

return 'true'

if len(pattern)== 0:

return 'true'

while (len(input) != 0):

index = input.find(pattern)

if (index ==(-1)):

return 'false'

input = input[0:index] + input[index + len(pattern):]

return 'true'

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

input ='GEEGEEKSKS'

pattern ='GEEKS'

print (checkEmpty(input, pattern))

1. Python Counter| Find all duplicate characters in string

string = "pythonworld"

duplicates = []

for char in string:

if string.count(char) > 1:

if char not in duplicates:

duplicates.append(char)

print(\*duplicates)

1. Python – Replace all occurrences of a substring in a string

string\_a = "The brown-eyed man drives a brown car."

string\_b = string\_a.replace("brown", "blue")

print(string\_a)

print(string\_b)

1. Python – Extract Unique values dictionary values

test\_dict = {'gfg' : [5, 6, 7, 8],

'is' : [10, 11, 7, 5],

'best' : [6, 12, 10, 8],

'for' : [1, 2, 5]}

print("The original dictionary is : " + str(test\_dict))

res = list(sorted({ele for val in test\_dict.values() for ele in val}))

print("The unique values list is : " + str(res))

1. Python program to find the sum of all items in a dictionary

def returnSum(myDict):

list = []

for i in myDict:

list.append(myDict[i])

final = sum(list)

return final

dict = {'a': 100, 'b': 200, 'c': 300}

print("Sum :", returnSum(dict))