5)

myList = []

n = int(input("How many element in list "))

for i in range(n):

storeElement = input ("Enter the string :- ")

myList.append (storeElement)

print("How far is "+str(myList[0])+ " from " +str(myList[1]))

print("How far is "+str(myList[1])+ " from " +str(myList[0]))

print("How is the weather in " +str(myList[0]))

print("How is the weather in " +str(myList[1]))

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6)

dict\_list=[{'name': 'affirm', 'confidence': 0.9448149204254}, {'name': 'affirm', 'confidence': 0.944814920425415}, {'name': 'inform', 'confidence': 0.9842240810394287}, {'name': 'inform', 'confidence': 0.9842240810394287}]

#res = list(map(dict, set(tuple(sub.items() for sub in dict\_list)))

res = list(map(dict, set(tuple(sub.items()) for sub in dict\_list)))

print("after removing duplicates : " + str(res))

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------7)

import re

m= input("Enter password : ")

t = True

while t:

if (len(m)<6 or len(m)>16):

break

elif not re.search("[a-z]",m):

break

elif not re.search("[0-9]",m):

break

elif not re.search("[A-Z]",m):

break

elif not re.search("[\"!#$%&'()\*+,-./:;<=>?@[\]^\_`{|}~]",m):

break

elif re.search("\s",m):

break

else:

print("Valid Password")

t=False

break

if t:

print("Invalid Password")

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8)

from collections import Counter

d1 = {'a': 100, 'b': 200, 'c':300}

d2 = {'a': 300, 'b': 200, 'd':400}

d = Counter(d1) + Counter(d2)

print(d)