```python
'''1.. Given a list of elements to remove duplicates

x=[1,2,1,3,4,5,3,2]
s=set(x)
print(s)


output:{1,2,3,4,5}


'''


'''2.There are two lists students list and placed students list.

stu={"ram","sandeep","nagendra","vamsi","nithin","dbhd"}
pla_stu={"nagendra","sandeep","nithin"}
s=stu-pla_stu
print(s)

output:
{'ram', 'vamsi', 'dbhd'}
'''


'''3.A list of batsman and a list of bowlers are given .find the allrounders

batsman={"nithin","kumar","isak","reventh"}
bowlers={"kumar","nithin"}
s=batsman & bowlers
print(s)

output:{'kumar', 'nithin'}
'''


'''4.placed students list is given for 3 companies.
find out the count of all placed students

tcs={"nithin","kumar","isak","reventh","nagendra"}
wipro={"ram","sandeep","nagendra","vamsi","nithin","isak"}
google={"venkatesh","nagendra","jagadeesh","ram"}
s=tcs | wipro
l=s | google
print(l)
for i in range(1,len(l)):
    pass
print("total count is",i)

output:
{'reventh', 'sandeep', 'ram', 'nithin', 'isak', 'vamsi', 'jagadeesh', 'venkatesh', 'kumar', 'nagendra'}
total count is 10
'''
'''5.. Dictionary of countries and capitals are given .When user give name of country,its capital
must be printed

d={"india":"delhi","australia":"canberra","bangladesh":"dhaka","chaina":"bejing"}
for i in d:
    s=input("enter country name")
    s=s.lower()
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    if s in d:
        print(d[s])
    else:
        break
output:
enter country name india
delhi
enter country name usa
'''


'''6.Find the frequency of characters in a string

string = "HELLO"

for i in string:
    frequency = string.count(i)
    print(str(i) + ": " + str(frequency), end=", ")

OUTPUT:
H: 1, E: 1, L: 2, L: 2, O: 1,
'''
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