

```
In [1]: """
Read file into texts and calls.
It's ok if you don't understand how to read files.
"""

import csv

with open('texts.csv', 'r') as f:
    reader = csv.reader(f)
    texts = list(reader)

with open('calls.csv', 'r') as f:
    reader = csv.reader(f)
    calls = list(reader)

"""
TASK 4:
The telephone company want to identify numbers that might be doing
telephone marketing. Create a set of possible telemarketers:
these are numbers that make outgoing calls but never send texts,
receive texts or receive incoming calls.
Print a message:
"These numbers could be telemarketers: "
<list of numbers>
The list of numbers should be print out one per line in lexicographic order with no duplicat
es.
"""

outgoingCallsList = []
recievingCallslist = []

telemarketersCallslist = []

for record in calls:
    outgoingNumber = record[0]
    recievingNumber = record[1]

    if outgoingNumber not in outgoingCallsList:
        outgoingCallsList.append(outgoingNumber)

    if recievingNumber not in recievingCallslist:
        recievingCallslist.append(recievingNumber)

outgoingTextsList = []
recievingTextslist = []
for record in texts:
    outgoingNumber = record[0]
    recievingNumber = record[1]

    if outgoingNumber not in outgoingTextsList:
        outgoingTextsList.append(outgoingNumber)

    if recievingNumber not in recievingTextslist:
        recievingTextslist.append(recievingNumber)

"""
never send texts,
never receive texts
never receive incoming calls
"""

for phoneNum in outgoingCallsList:
    if((phoneNum not in recievingCallslist) and (phoneNum not in outgoingTextsList) and (pho
neNum not in recievingTextslist)):
        telemarketersCallslist.append(phoneNum)

print("These numbers could be telemarketers: ")
print(*sorted(telemarketersCallslist), sep='\n')
# print(len(telemarketersCallslist))
```

These numbers could be telemarketers:
(022)37572285
(022)65548497
(022)68535788
(022)69042431
(040)30429041
(044)22020822
(0471)2171438
(0471)6579079
(080)20383942
(080)25820765
(080)31606520
(080)40362016
(080)60463379
(080)60998034
(080)62963633
(080)64015211
(080)69887826
(0821)3257740
1400481538
1401747654
1402316533
1403072432
1403579926
1404073047
1404368883
1404787681
1407539117
1408371942
1408409918
1408672243
1409421631
1409668775
1409994233
74064 66270
78291 94593
87144 55014
90351 90193
92414 69419
94495 03761
97404 30456
97407 84573
97442 45192
99617 25274