**Counting emails.**

import re

import sqlite3

conn = sqlite3.connect('emaildb.sqlite')

cur = conn.cursor()

cur.execute('''

DROP TABLE IF EXISTS Counts''')

cur.execute('''

CREATE TABLE Counts (org TEXT, count INTEGER)''')

fname = input('Enter file name: ')

if (len(fname) < 1): fname = 'mbox.txt'

fh = open(fname)

for line in fh:

if not line.startswith('From: '): continue

pieces = line.split()[1]

org = pieces.split('@')[1]

cur.execute('SELECT count FROM Counts WHERE org = ? ', (org,))

row = cur.fetchone()

if row is None:

cur.execute('''INSERT INTO Counts (org, count)

VALUES ( ?, 1 )''', (org,))

else:

cur.execute('UPDATE Counts SET count=count+1 WHERE org = ?',

(org,))

conn.commit()

sqlstr = 'SELECT org, count FROM Counts ORDER BY count DESC LIMIT 10'

"Counts:"

for row in cur.execute(sqlstr):

str(row[0]), row[1]

cur.close()