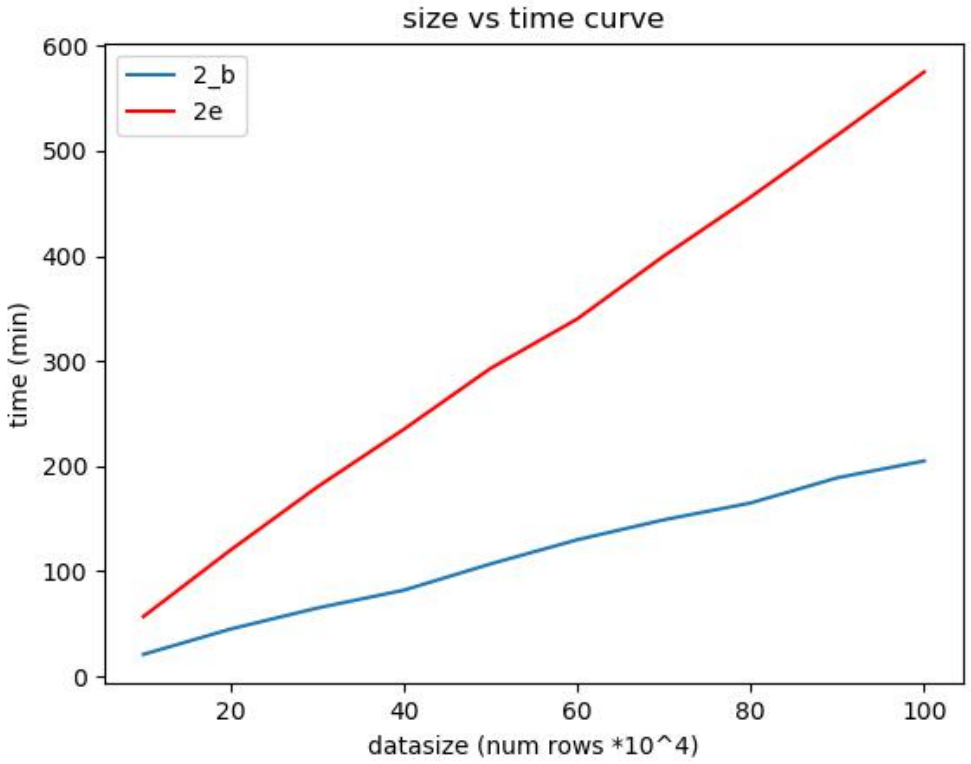
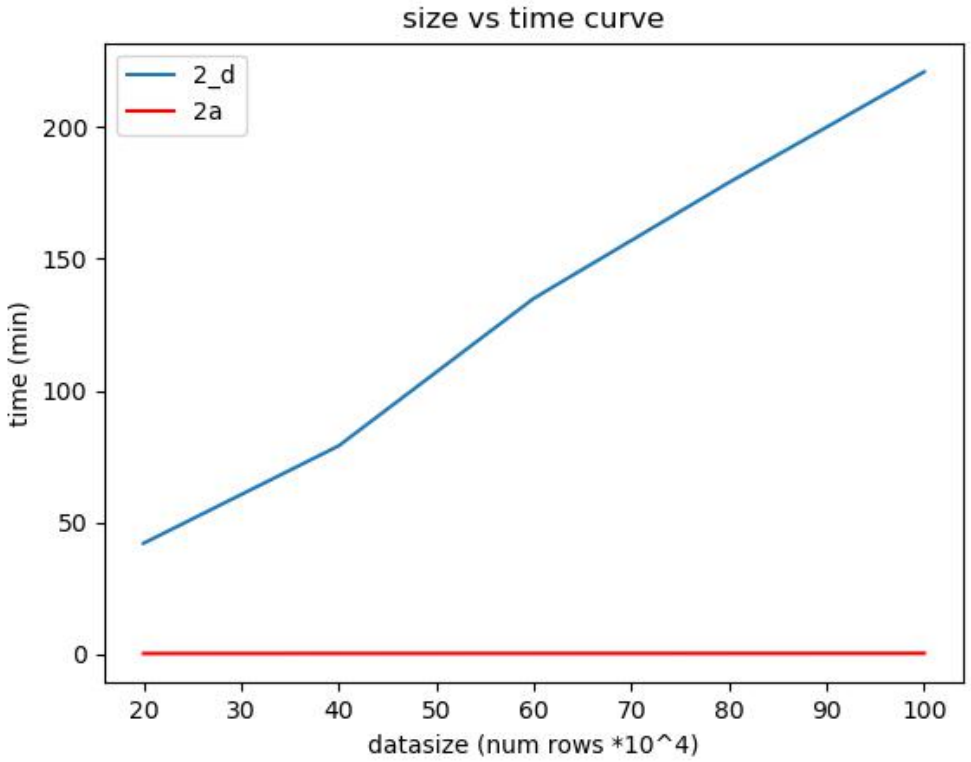
EXERCISE -1

3a) machine configuration

CPU(s): 4
Core(s) per socket: 4
Socket(s): 1
MemTotal: 3472088 kB == 3390.71 MiB (ram)

3b)



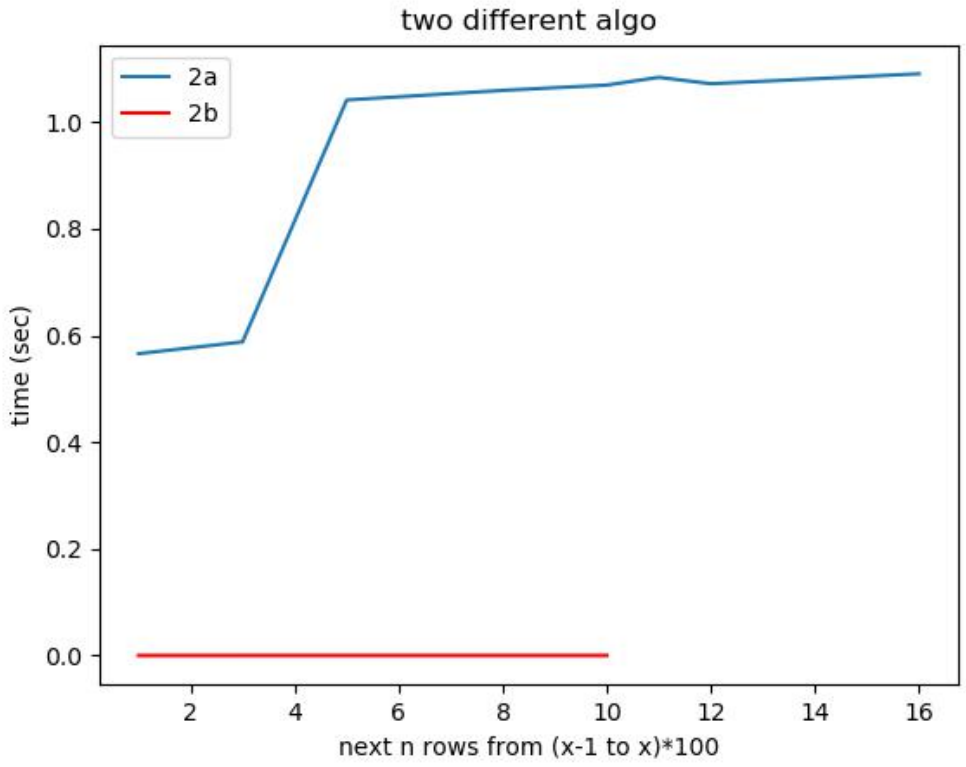


3c)

for 2b data loading copied files to dockers in used \i
for 2c parts used python psycopg2 upload data using copy_from method
for 2d, 2e parts python psycopg2 and parsing tuples from data

for 2a bulk loading first copied data newfile to docker
using sudo docker cp ~/path/newfile.csv containerID:/home
went to # psql and then created table something like
#drop table if exists outlab4;
#create table outlab4 (cdc_report_dt varchar,
pos_spec_dt varchar, onset_dt varchar, current_status varchar,
sex varchar, age_group varchar, Race_and_ethnicity varchar,
hosp_ynvarchar, icu_yn varchar, death_yn varchar, medcond_yn varchar);
and then used copy
lab4db=# \timing on
lab4db=# \copy outlba4 from '/home/newfile.csv' with (format csv);
(remember to drop header from file for newfile.csv)
COPY 1386646
Time: 13071.425 ms (00:13.071)

EXERCISE -2



since first method using offset its recursivly goes to every first rows which it need to drop and then goes to required rows which need to be printed. hence it increses as x increses numer of rows to be selected at once.

but for second case we only go once through all rows and then print x rows and next x rows from already selected hence it seems to be constant.