# AI506: DATA MINING AND SEARCH (SPRING 2020)
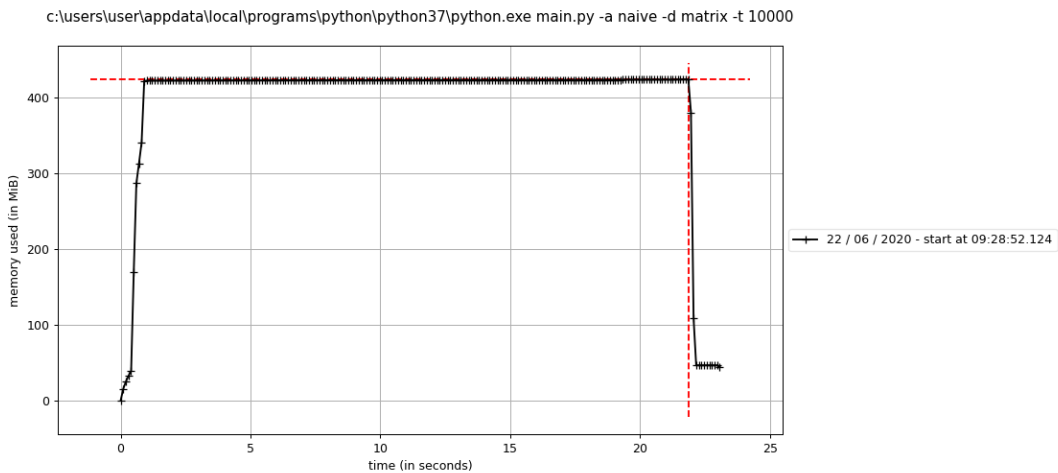
# Homework 5: Frequent Itemset Mining
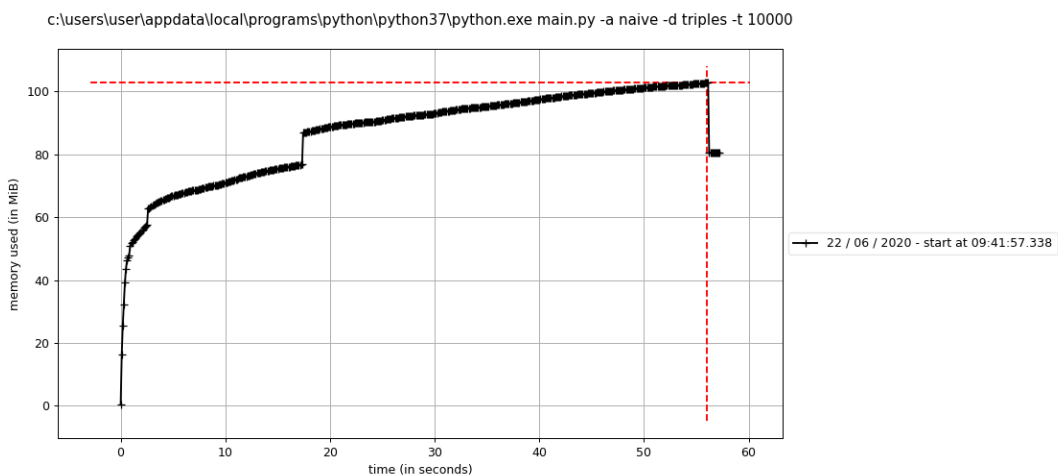
20203221 민향숙

## 1. The first approach for the naive algorithm

c:\users\user\appdata\local\programs\python\python37\python.exe main.py -a naive -d matrix -t 10000
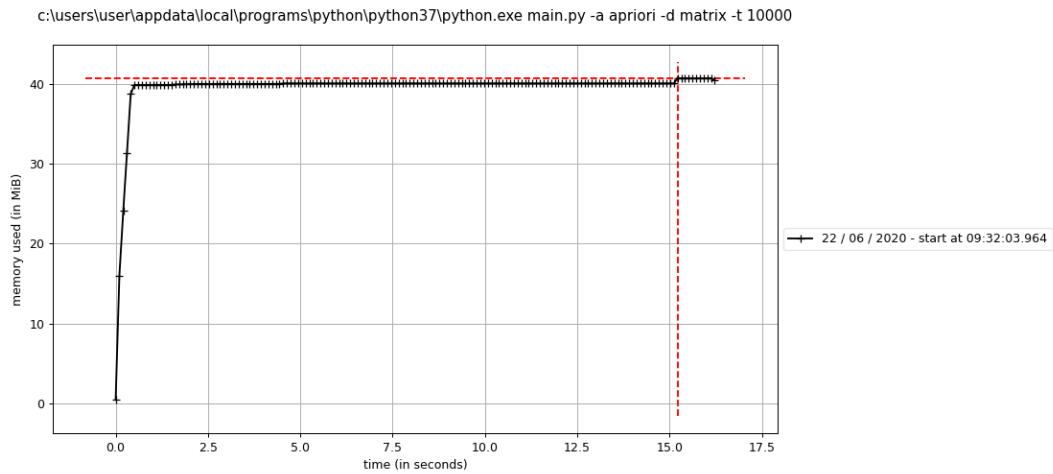


At first, I made the 10000x10000 upper triangular matrix.
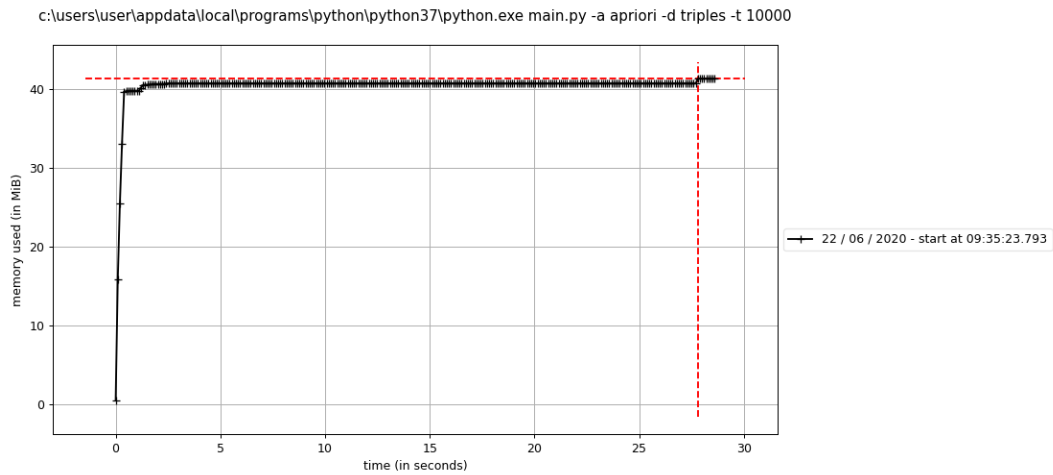Since I have no idea about the number of items, I just used a random big number.
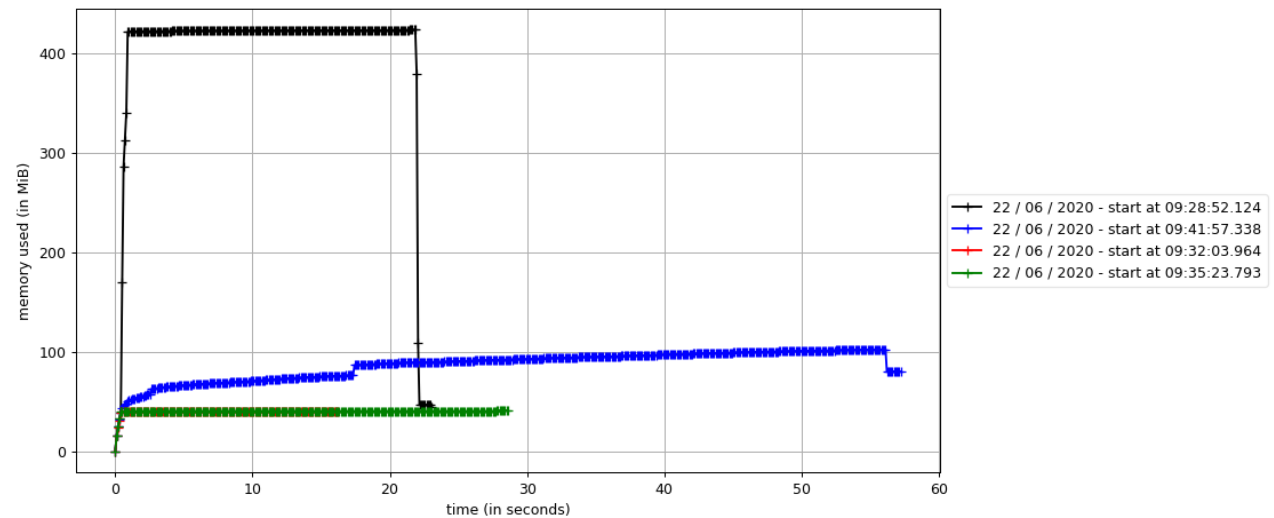
## 2. The second approach for the naive algorithm

c:\users\user\appdata\local\programs\python\python37\python.exe main.py -a naive -d triples -t 10000

## 3. The first approach for the A-Priori algorithm

c:\users\user\appdata\local\programs\python\python37\python.exe main.py -a apriori -d matrix -t 10000



## 4. The second approach for the A-Priori algorithm

c:\users\user\appdata\local\programs\python\python37\python.exe main.py -a apriori -d triples -t 10000



## 0. Compare all methods



**Black: first method, Blue: second method, Red: third method, Green: fourth method**