Project Milestone 2 Report:

A. What software version you are using, libraries, etc…
- a. numpy
- b. pandas
- c. os
- d. time
- e. Itertools

B. b.Where did you download/get the data (e.g., Amazon site, Kmart site, etc.).
- a. Data was provided by the professor, which were the following:
- b. Amazon, Best Buy, K-Mart, and Nike. and I also generated a
- c. random transaction generator given the items from Walmart that
- d. I've chosen.

C. Hardware configuration
Using Windows 10 OS
OS Name: Microsoft Windows 10 Home
OS Version: 10.0.19042 N/A Build 19042
OS Manufacturer: Microsoft Corporation
System Manufacturer: Micro-Star International Co., Ltd.
System Model: GS63VR 7RF
System Type: x64-based PC
Processor: Intel(R) Core(TM) i7-7700HQ CPU @ 2.80GHz, 2801 Mhz, 4 Core(s), 8 Logical Processor(s)
Installed Physical Memory (RAM): 16.0 GB

D. Did you start coding or not?
- a. Yes, coding did start, created a new python script and jupyter notebook for generating the Apriori Algorithm.

E. Any difficulties or issues (bring that to me to discuss)
- a. Yes there were some difficulties being that I had to figure out how to do the permutations the item sets but got it to work using the itertool library.

Here is the github link below:

https://github.com/MichaelWoo-git/Apriori_Algorithm