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# Midterm Project Report

*Implementation and Code Usage*

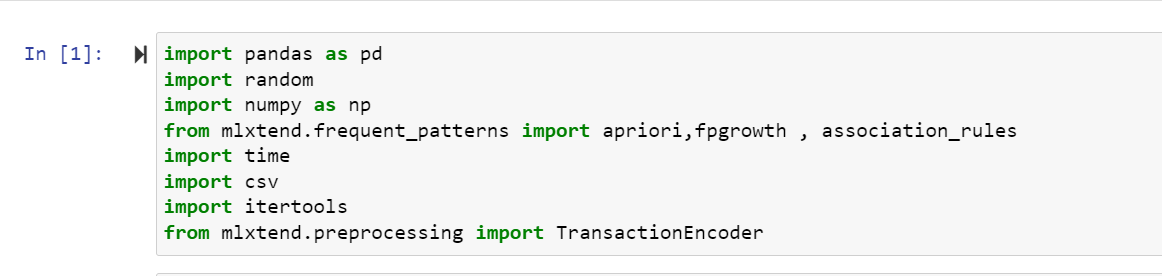
# Apriori Algorithm Implementation

# Abstract:

In this project I came across Brute force, Apriori algorithm, and FP Tree algorithm, to generate various association rules for five datasets which consists of 20 transactions each. I have tried to implement the logic of brute force and used libraries to execute Apriori and FP Growth.

*S* *creenshots*

1. Import the following libraries:

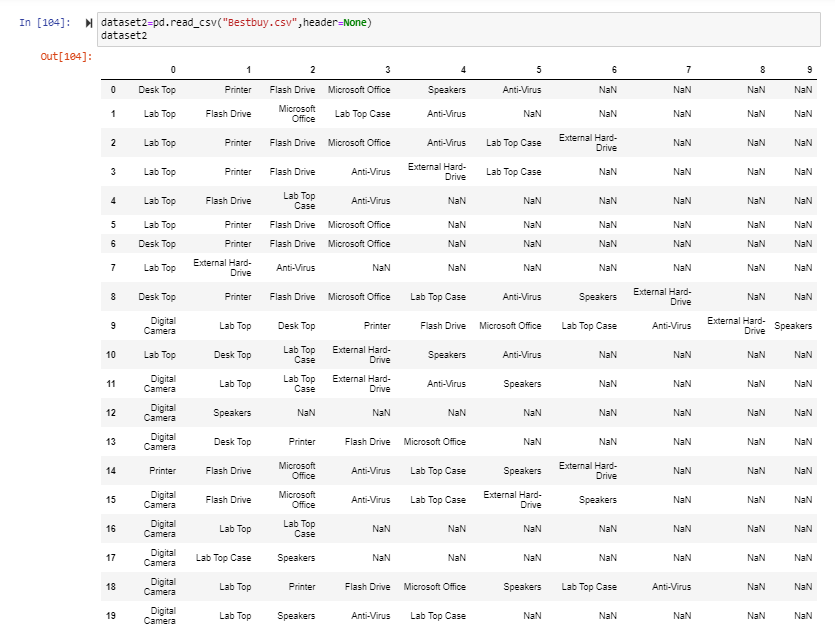


1. Below are the snippets of 5 datasets:

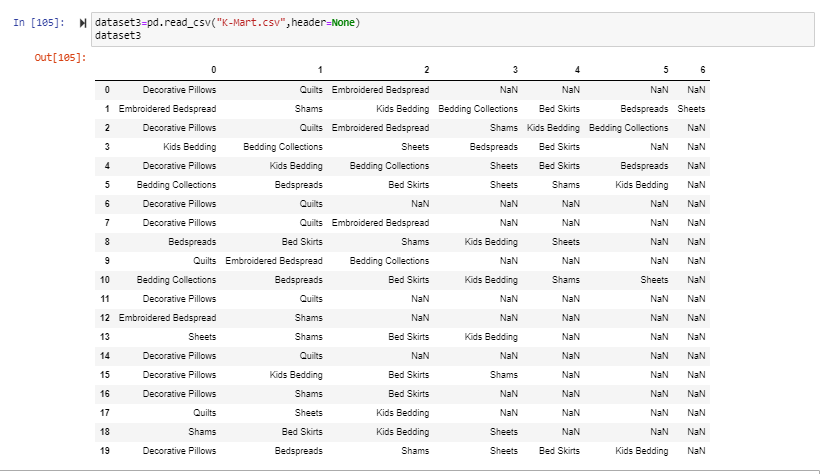
Amazon CSV file:



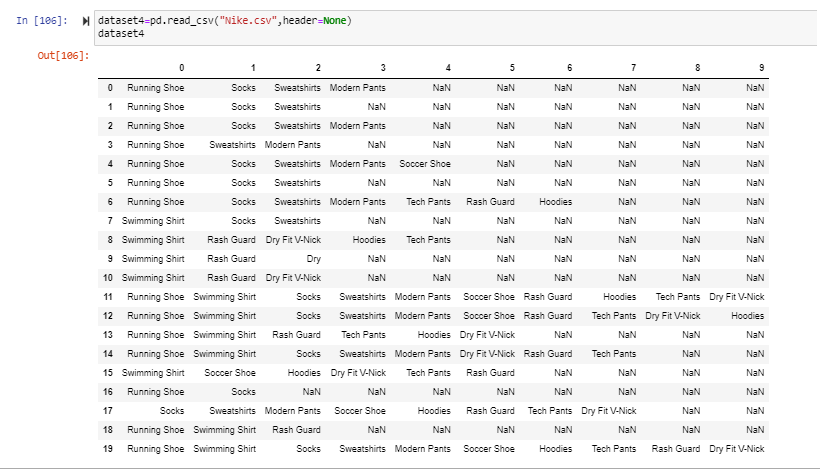
Bestbuy CSV file:



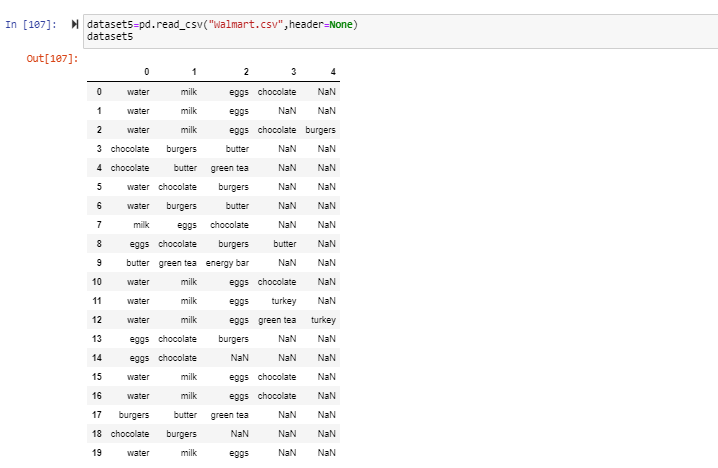
K-Mart CSV file:



Nike CSV file:

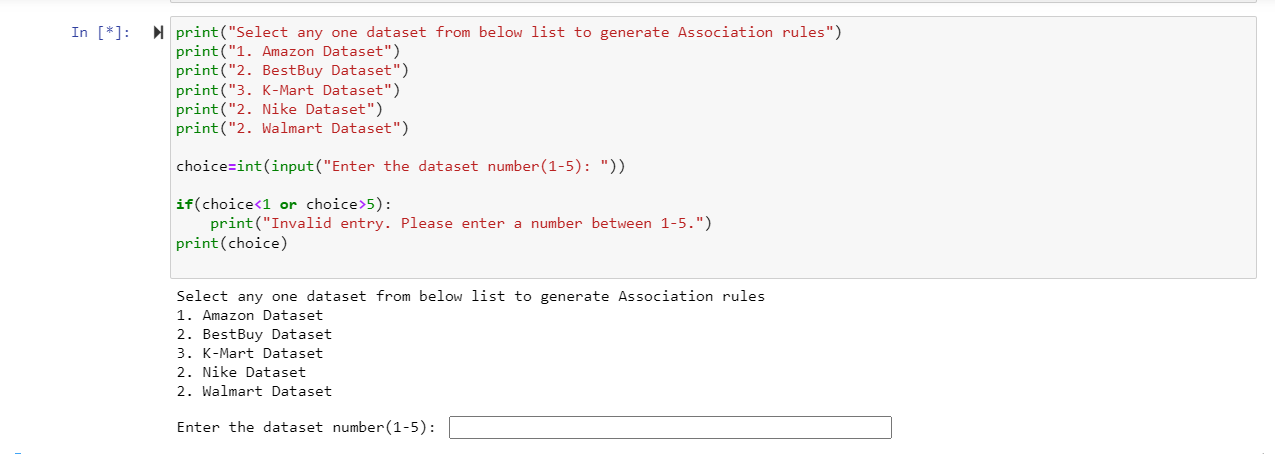


Walmart CSV file (made it by myself ):

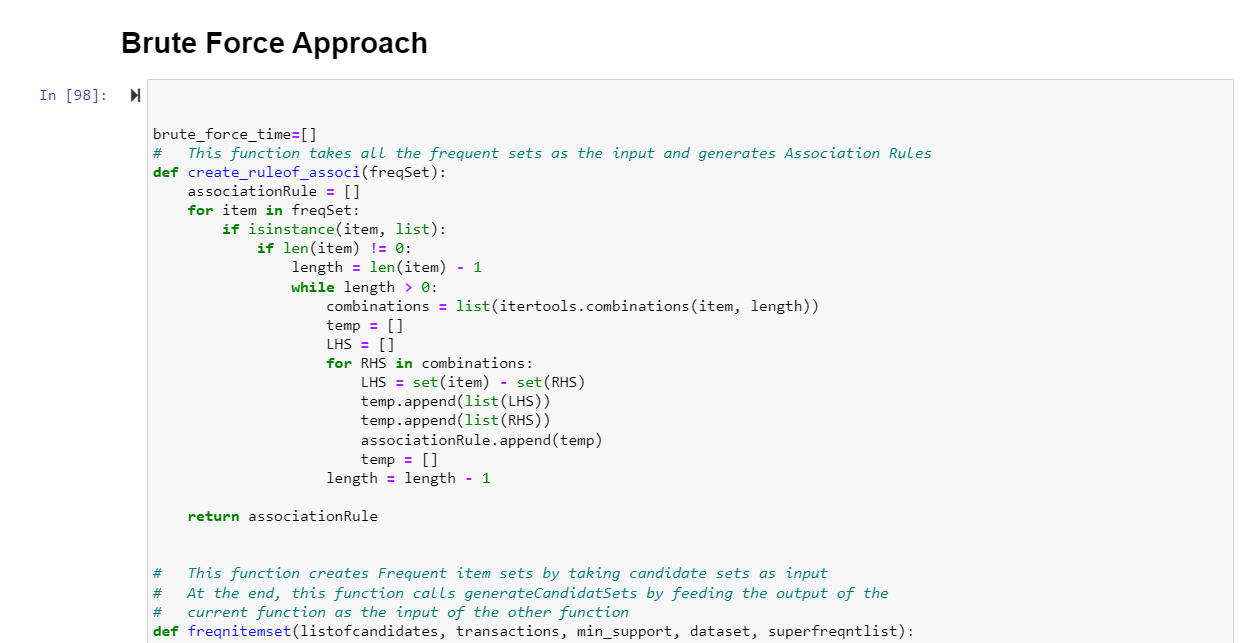


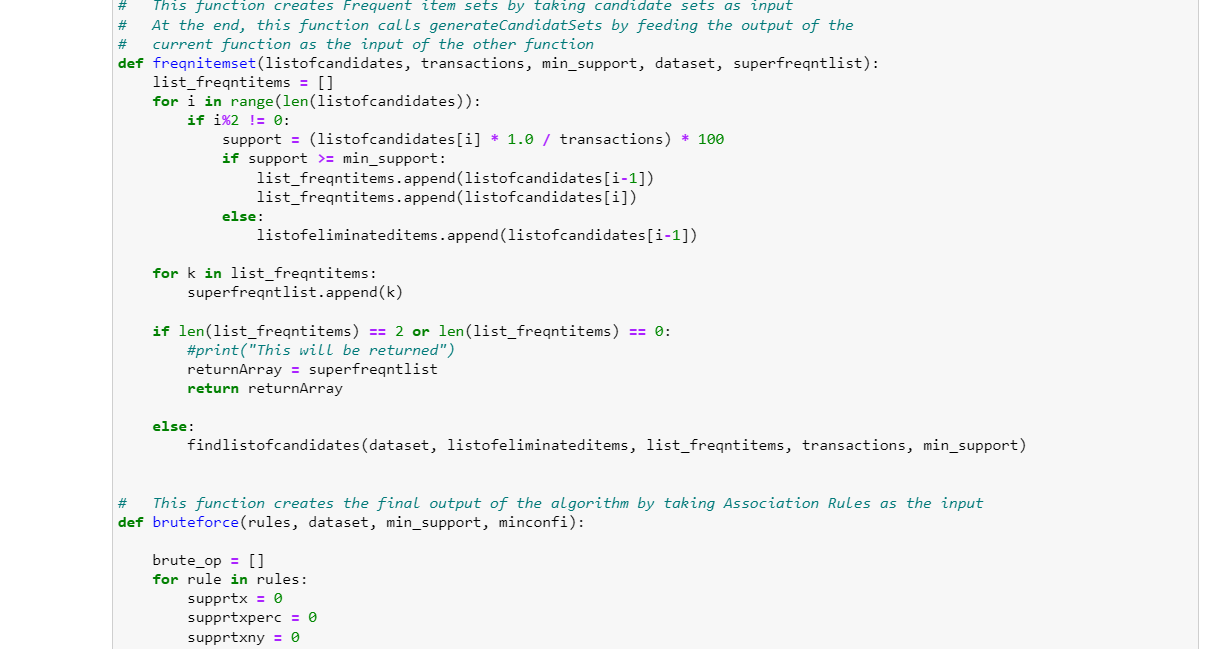
1. Code Snippets:

Give any input



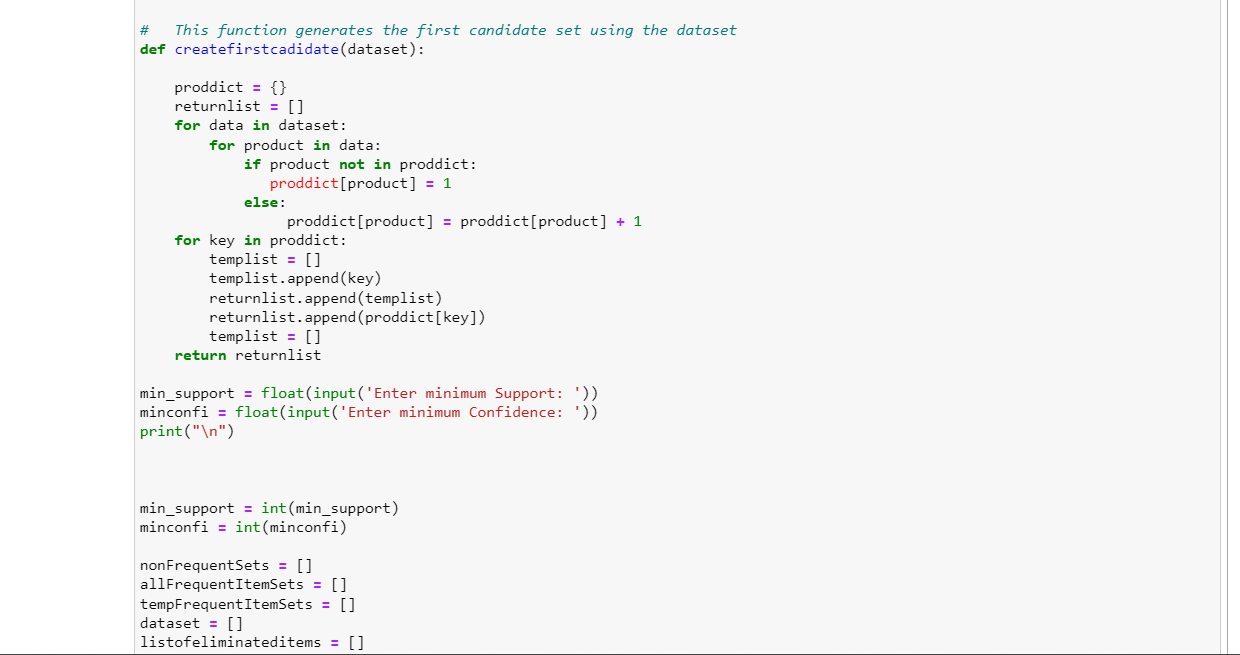




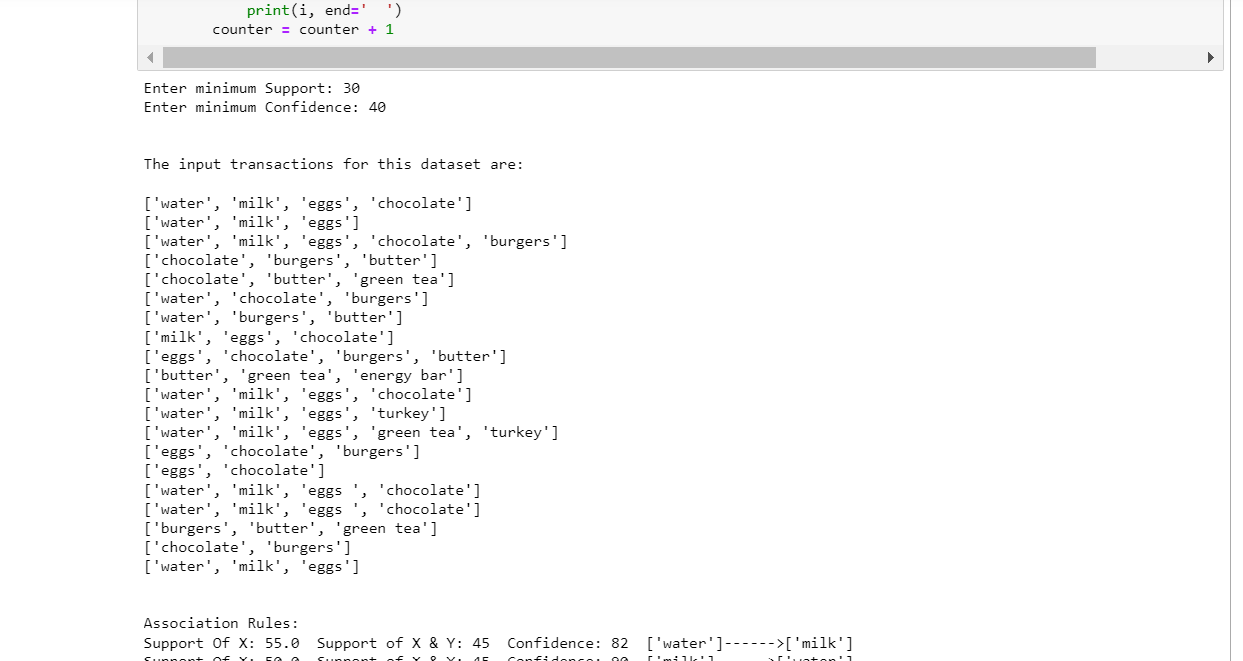


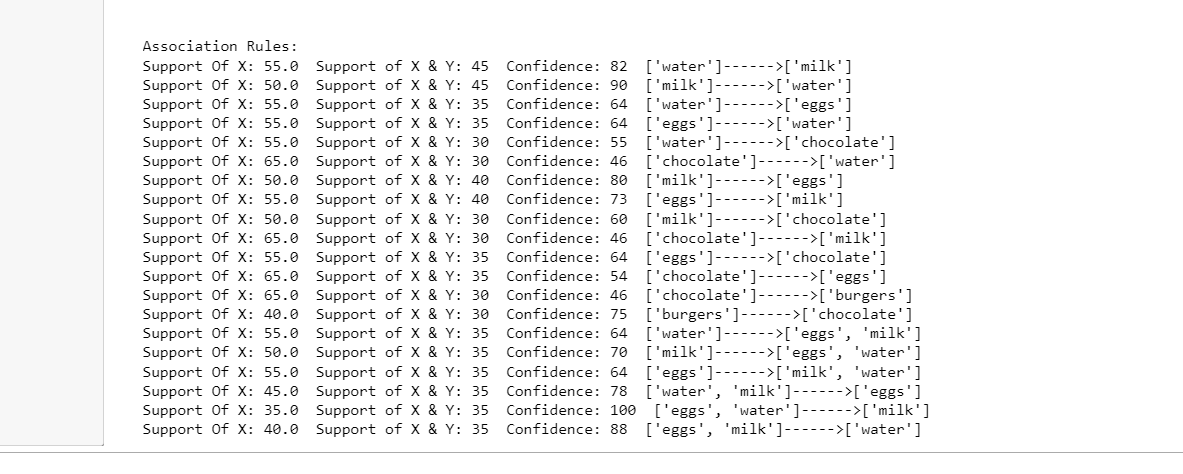






For Brute force: give integer values, even float will work, but for better computation input integer value



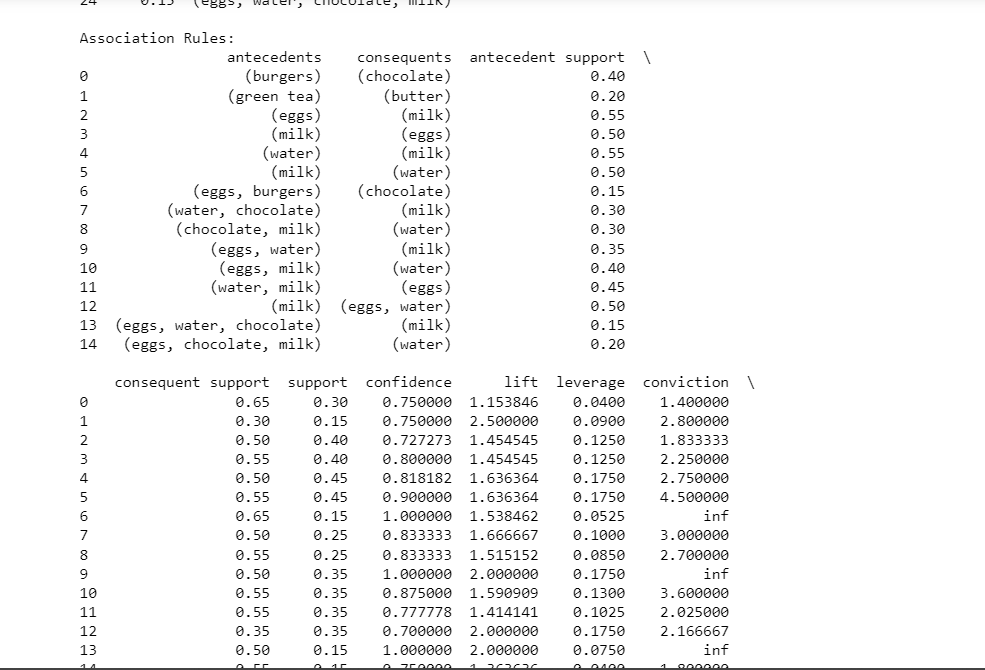


Enter decimal values when asked for min\_support and confidence









Enter decimal values when asked for min\_support and confidence

