**Team Members Details**:-

1) Rohith Saranga (ID: 2017A7PS0034H)

2) Kaushik Perika (ID: 2017A7PS0207H)

3) Mahesh Babu (ID: 2017A7PS0235H)

**DATASET USED**: Groceries Dataset

**PRE-PROCESSING**:-

Each transaction of the given csv file has been stored in a list for easier manipulation. The last item in every transaction had a new line character and had to be removed.

**APRIORI ALGORITHM :**

**Number of frequent item sets and association rules**:-

1)Support = 180 and confidence = 0.40

* Frequent item sets count = 79 , Association Rules count = 15

2) Support = 150 and confidence = 0.35

* Frequent item sets count = 67 , Association Rules count = 39

3) Support = 100 and confidence = 0.45

* Frequent item sets count = 247 , Association Rules count = 30

**FP GROWTH ALGORITHM :**

**Number of frequent item sets and association rules**:-

1)Support = 120 and confidence = 0.50

* Frequent item sets count = 241 , Association Rules count = 10

2) Support = 150 and confidence = 0.35

* Frequent item sets count = 174 , Association Rules count = 37

3) Support = 200 and confidence = 0.45

* Frequent item sets count = 115 , Association Rules count = 6