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