```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

In [2]:
# load the data
# the transactions file does not have any header
# the first row is not the header but rather it is a transaction having number of prod
df = pd.read_csv('Market_Basket_Optimisation.csv', header=None)
# print(df.columns)
```

process the transactions

find the associated rules

```
In [4]: from apyori import apriori
    rules = list(apriori(transactions, min_support=0.15))
    for rule in rules:
        print(rule.items)

frozenset({'chocolate'})
    frozenset({'eggs'})
    frozenset({'french fries'})
    frozenset({'mineral water'})
    frozenset({'spaghetti'})
In []:
```