

PHASE 4

```
!pip install apyori
import pandas as pd
import numpy as np
from apyori import apriori
from google.colab import files
uploaded = files.upload()
import pandas as pd
df=pd.read_csv('Assignment1_data.csv',header=None)
df.head()
df.fillna(0,inplace=True)
df.head()
transactions = []
for i in range(0,len(df)):
transactions.append([str(df.values[i,j]) for j in range(0,1) if
str(df.values[i,j])!='0'])
transactions[0]
rules =
apriori(transactions,min_support=0.003,min_confidance=0.2,min_lift=3,
min_length=2)
rules
Results = list(rules)
Results
df_results = pd.DataFrame(Results)
df_results.head()
support = df_results.support
```