

```

import pandas as pd

from mlxtend.preprocessing import TransactionEncoder

from mlxtend.frequent_patterns import apriori, association_rules


TID={1:["bread","milk"],2:["bread","diaper","beer","eggs"],3:["milk","diaper","beer","coke"],4:["bread","milk","diaper","beer"],5:["bread","milk","diaper","coke"]}

transactions=[]

for key,value in TID.items():

    transactions.append(value)


te=TransactionEncoder()

te_ary=te.fit_transform(transactions)

df=pd.DataFrame(te_ary,columns=te.columns_)


min_sup_values=[0.2,0.4,0.6]

for min_sup in min_sup_values:

    frequent_itemsets=apriori(df,min_support=min_sup,use_colnames=True)Rules=association_rules(
    frequent_itemsets,metric="confidence",min_threshold=0.7)Print("Min_sup:",min_sup)

    print("Frequent Itemsets:")

    print(frequent_itemsets)

    print("Association Rules:")

    print(rules)

```