

```
items=['item1','item2','item3','item4']
```

```
transactions=[[ 'item1','item2','item3'],[ 'item2','item3'],[ 'item1','item2','item4'],[ 'item1','item4'],[ 'item2','item3','item4'],[ 'item1','item3','item4'],[ 'item1','item2'],[ 'item1','item3'],[ 'item3','item4'],[ 'item2','item4']]
```

```
from mlxtend.preprocessing import TransactionEncoder
```

```
from mlxtend.frequent_patterns import apriori,association_rules
```

```
te=TransactionEncoder()
```

```
te_ary=te.fit_transform(transactions)
```

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

```
frequent_itemsets=apriori(df,min_support=0.3,use_colnames=True)
```

```
association_rules=association_rules(frequent_itemsets,metric="confidence",min_threshold=0.7)
```

```
print(frequent_itemsets)
```

```
print(association_rules)
```