

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

```
from mlxtend.frequent_patterns import apriori
```

```
TID={1:["apple","mango","banana"],2:["mango","banana","cabbage","carrots"],3:["mango","banana","carrots"],4:["mango","carrots"]}
```

```
te=TransactionEncoder()
```

```
te_ary=te.fit([TID[i] for i in TID]).transform([TID[i] for i in TID])
```

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

```
min_sup_values=[0.25,0.5,0.75]
```

```
for min_sup in min_sup_values:
```

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

```
    print("Frequent itemsets with min_sup=",min_sup)
```

```
    print(frequent_itemsets)
```

```
    print("\n")
```