```
import pandas as pd
import numpy as np
```

```
dff=pd.read_excel("/content/sample_data/Narxlar.xlsx",index_col=0)
dff
```

Nomi	Pors	Narxi
Osh	1-pors	11000
QozonKabob	1-kilo	23000
Sho'rva	1-pors	10000
Mastava	1-pors	80000
Somsa	1-dona	25000
Pirashki	1-dona	3000
Non	1-dona	3000
Dimlama	1-pors	90000
Kola	1-dona	13000
Pepsi	1-dona	14000
Fanta	1-dona	15000
Nos	1-xalta	4000
Sigaret	1-pachka	10000
Aroq	1-litr	25000
Lag'mon	1-pors	20000
Piva	1-dona	10000
Semichka	1-kilo	25000
Qurt	1-dona	500
SirnePalichka	1-kilo	12000

```
dff.loc['Osh']
```

```
Pors     1-pors
Narxi     11000
Name: Osh, dtype: object
```

```
bins=[0,10000,30000,100000]
```

```
population=dff.Narxi
population
```

```
Nomi
Osh              11000
QozonKabob       23000
Sho'rva          10000
Mastava          80000
Somsa            25000
Pirashki          3000
Non               3000
Dimlama          90000
Kola             13000
Pepsi            14000
Fanta            15000
Nos               4000
Sigaret          10000
Aroq             25000
Lag'mon          20000
Piva             10000
Semichka         25000
Qurt               500
SirnePalichka    12000
Name: Narxi, dtype: int64
```

```
values=["arzon","urtacha","qimmat"]
array=pd.cut(population,bins, labels=values)
array
```

```
Nomi
Osh              urtacha
QozonKabob       urtacha
Sho'rva            arzon
Mastava           qimmat
Somsa            urtacha
Pirashki           arzon
Non                arzon
Dimlama           qimmat
Kola             urtacha
Pepsi            urtacha
Fanta            urtacha
Nos                arzon
Sigaret            arzon
Aroq             urtacha
Lag'mon          urtacha
Piva               arzon
Semichka         urtacha
Qurt               arzon
SirnePalichka    urtacha
Name: Narxi, dtype: category
Categories (3, object): ['arzon' < 'urtacha' < 'qimmat']
```

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