In [1]:
```
import pandas as pd
```

In [2]:
```
data = {
    'FamilyName': ['Shah', 'Vats', 'Vats', 'Kumar', 'Vats', 'Kumar', 'Shah',
    'Gender': ['Male', 'Male', 'Female', 'Female', 'Female', 'Male', 'Male',
    'MonthlyIncome (Rs.)': [44000.00, 65000.00, 43150.00, 66500.00, 255000.0
}
```

In [3]:
```
df = pd.DataFrame(data)
```

In [4]:
```
df.head()
```

Out[4]:

	FamilyName	Gender	MonthlyIncome (Rs.)
0	Shah	Male	44000.0
1	Vats	Male	65000.0
2	Vats	Female	43150.0
3	Kumar	Female	66500.0
4	Vats	Female	255000.0

In [5]:
```
highest_income = df.groupby('FamilyName')['MonthlyIncome (Rs.)'].max()
lowest_income = df.groupby('FamilyName')['MonthlyIncome (Rs.)'].min()
```

In [6]:
```
highest_income.head()
```

Out[6]:
```
FamilyName
Kumar    103000.0
Shah     112400.0
Vats     255000.0
Name: MonthlyIncome (Rs.), dtype: float64
```

In [7]:
```
income_80000 = df[df['MonthlyIncome (Rs.)'] < 80000.00]['MonthlyIncome (Rs.
```

In [8]:
```
income_80000.head()
```

Out[8]:
```
0    44000.0
1    65000.0
2    43150.0
3    66500.0
6    55000.0
Name: MonthlyIncome (Rs.), dtype: float64
```

In [19]:
```
family_female = df[df['Gender'] == 'Female']
total_females = len(family_female)
```

In [20]:
```
print(family_female)
```

```
  FamilyName  Gender  MonthlyIncome (Rs.)
2       Vats  Female              43150.0
3      Kumar  Female              66500.0
4       Vats  Female             255000.0
7       Shah  Female             112400.0
8      Kumar  Female              81030.0
```

In [21]:
```
family_female.count()
```

Out[21]:
```
FamilyName             5
Gender                 5
MonthlyIncome (Rs.)    5
dtype: int64
```

In [23]:
```
mean_female=family_female['MonthlyIncome (Rs.)'].mean()
```

In [24]:
```
mean_female
```

Out[24]:
```
111616.0
```

In [26]:
```
len(family_female)
```

Out[26]:
```
5
```

In [29]:
```
avg_income_mem=df['MonthlyIncome (Rs.)'].mean()
```

In [31]:
```
df=df[df['MonthlyIncome (Rs.)']>=avg_income_mem]
```

In [32]:
```
df
```

Out[32]:

	FamilyName	Gender	MonthlyIncome (Rs.)
4	Vats	Female	255000.0
5	Kumar	Male	103000.0
7	Shah	Female	112400.0