```
import pandas as pd
data =  pd.read_csv('Automobile_data.csv')
data.head()
```

```
data['price']
```

```
0      13495
1      16500
2      16500
3      13950
4      17450
       ...
200    16845
201    19045
202    21485
203    22470
204    22625
Name: price, Length: 205, dtype: object
```

```
data.describe()
```

```
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 205 entries, 0 to 204
Data columns (total 26 columns):
 #   Column             Non-Null Count  Dtype
---  ------             --------------  -----
 0   symboling          205 non-null    int64
 1   normalized-losses  205 non-null    object 
 2   make               205 non-null    object 
 3   fuel-type          205 non-null    object 
 4   aspiration         205 non-null    object 
 5   num-of-doors       205 non-null    object 
 6   body-style         205 non-null    object 
 7   drive-wheels       205 non-null    object 
 8   engine-location    205 non-null    object 
 9   wheel-base         205 non-null    float64
 10  length             205 non-null    float64
 11  width              205 non-null    float64
 12  height             205 non-null    float64
 13  curb-weight        205 non-null    int64  
 14  engine-type        205 non-null    object 
 15  num-of-cylinders   205 non-null    object 
 16  engine-size        205 non-null    int64  
 17  fuel-system        205 non-null    object 
 18  bore               205 non-null    object 
 19  stroke             205 non-null    object 
 20  compression-ratio  205 non-null    float64
 21  horsepower         205 non-null    object 
 22  peak-rpm           205 non-null    object 
 23  city-mpg           205 non-null    int64  
 24  highway-mpg        205 non-null    int64  
 25  price              205 non-null    object 
dtypes: float64(5), int64(5), object(16)
memory usage: 41.8+ KB
```

To handle Error of ValueError: Input contains NaN, infinity or a value too large for dtype('float32'). I used the function Fillna, That Fill NAN Values and Infinite Values Zero

```
data = data.fillna(data.mean())
data.head()
#data['price']
#data['price'].max()

# Company name and highest price
data.groupby(['make'])['price'].max()
```

```
make
alfa-romero      16500
audi                 ?
bmw              41315
chevrolet         6575
dodge             8921
honda             9095
isuzu                ?
jaguar           36000
mazda             8845
mercedes-benz    45400
mercury          16503
mitsubishi        9959
nissan            9549
```

```
peugot           18150
plymouth          8921
porsche              ?
renault           9895
saab             18620
subaru            9960
toyota            9989
volkswagen        9995
volvo            22625
Name: price, dtype: object
```

```
mux = pd.MultiIndex.from_product([['Toyata Cars'], ['symboling',    'stroke',   'compression-
df = pd.DataFrame(data, columns=mux)
df.head()
```