In [3]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import os
import seaborn as sns
```

In [5]:

```
os.chdir('C:/Users/Admin/Desktop/sushant F.D.S    practical\Datasets-20220805T064950Z-001/D
cars = pd.read_csv('Toyota.csv', index_col=0, na_values=["??","???"])
cars.size
```

Out[5]:

```
14360
```

In [6]:

```
cars.dropna(axis=0,inplace= True)
cars.size
```

Out[6]:

```
10990
```

In [7]:

```
cars.head()
```

Out[7]:

	Price	Age	KM	FuelType	HP	MetColor	Automatic	CC	Doors	Weight
0	13500	23.0	46986.0	Diesel	90	1.0	0	2000	three	1165
1	13750	23.0	72937.0	Diesel	90	1.0	0	2000	3	1165
3	14950	26.0	48000.0	Diesel	90	0.0	0	2000	3	1165
4	13750	30.0	38500.0	Diesel	90	0.0	0	2000	3	1170
5	12950	32.0	61000.0	Diesel	90	0.0	0	2000	3	1170

In [8]:

```
cars.tail()
```

Out[8]:

	Price	Age	KM	FuelType	HP	MetColor	Automatic	CC	Doors	Weight
1423	7950	80.0	35821.0	Petrol	86	0.0	1	1300	3	1015
1424	7750	73.0	34717.0	Petrol	86	0.0	0	1300	3	1015
1429	8950	78.0	24000.0	Petrol	86	1.0	1	1300	5	1065
1430	8450	80.0	23000.0	Petrol	86	0.0	0	1300	3	1015
1435	6950	76.0	1.0	Petrol	110	0.0	0	1600	5	1114

In [9]:

```
cars.min()
```

Out[9]:

```
Price        4350
Age           1.0
KM            1.0
FuelType      CNG
HP            107
MetColor      0.0
Automatic       0
CC           1300
Doors           2
Weight       1000
dtype: object
```

In [10]:

```
cars.max()
```

Out[10]:

```
Price           31275
Age              80.0
KM           243000.0
FuelType       Petrol
HP               ????
MetColor          1.0
Automatic           1
CC               2000
Doors           three
Weight           1615
dtype: object
```

In [14]:

```
cars.median()
```

```
C:\Users\Admin\AppData\Local\Temp/ipykernel_11544/2356643283.py:1: FutureWar
ning: Dropping of nuisance columns in DataFrame reductions (with 'numeric_on
ly=None') is deprecated; in a future version this will raise TypeError.  Sel
ect only valid columns before calling the reduction.
  cars.median()
```

Out[14]:

```
Price         9900.0
Age             60.0
KM           63459.0
MetColor         1.0
Automatic        0.0
CC            1600.0
Weight        1070.0
dtype: float64
```

In [15]:

```
cars.mode()
```

Out[15]:

	Price	Age	KM	FuelType	HP	MetColor	Automatic	CC	Doors	Weight
0	8950.0	68.0	1.0	Petrol	110	1.0	0.0	1600.0	5	1075.0
1	NaN	NaN	59000.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN
2	NaN	NaN	75000.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN

In [16]:

```
cars.isnull()
```

Out[16]:

	Price	Age	KM	FuelType	HP	MetColor	Automatic	CC	Doors	Weight
0	False	False	False	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False
5	False	False	False	False	False	False	False	False	False	False
...	...	...	...	...	...	...	...	...	...	...
1423	False	False	False	False	False	False	False	False	False	False
1424	False	False	False	False	False	False	False	False	False	False
1429	False	False	False	False	False	False	False	False	False	False
1430	False	False	False	False	False	False	False	False	False	False
1435	False	False	False	False	False	False	False	False	False	False

1099 rows × 10 columns

In [ ]:

```

```