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

In [2]:
```
df = pd.read_csv('car_data.csv')
```

In [3]:
```
df.head(2)
```

Out[3]:

	Unnamed: 0	Model	Year	Status	Mileage	Price	MSRP
0	0	2022 Acura TLX A-Spec	2022	New	Not available	$49,445	MSRP $49,445
1	1	2023 Acura RDX A-Spec	2023	New	Not available	$50,895	Not specified

In [4]:
```
df
```

Out[4]:

	Unnamed: 0	Model	Year	Status	Mileage	Price	MSRP
0	0	2022 Acura TLX A-Spec	2022	New	Not available	$49,445	MSRP $49,445
1	1	2023 Acura RDX A-Spec	2023	New	Not available	$50,895	Not specified
2	2	2023 Acura TLX Type S	2023	New	Not available	$57,745	Not specified
3	3	2023 Acura TLX Type S	2023	New	Not available	$57,545	Not specified
4	4	2019 Acura MDX Sport Hybrid 3.0L w/Technology ...	2019	Used	32,675 mi.	$40,990	$600 price drop
...	...	...	...	...	...	...	...
115757	10005	2023 Volkswagen Atlas 3.6L SE w/Technology	2023	New	Not available	$47,346	Not specified
115758	10006	2023 Volkswagen Taos 1.5T SE	2023	New	Not available	$30,895	Not specified
115759	10007	2012 Volkswagen Beetle	2012	Used	100,395 mi.	$9,994	$252 price drop
115760	10008	2022 Volkswagen ID.4 Pro S	2022	New	Not available	$52,585	Not specified
115761	10009	2013 Volkswagen Passat 2.5 SE	2013	Used	125,757 mi.	$10,995	Not specified

115762 rows × 7 columns

In [8]:
```
df.describe()
```

Out[8]:

	Unnamed: 0	Year
count	115762.000000	115762.000000
mean	4613.208713	2019.706907
std	2778.454982	4.525427
min	0.000000	1949.000000
25%	2226.000000	2018.000000
50%	4452.000000	2021.000000
75%	6950.000000	2023.000000
max	10099.000000	2023.000000

In [10]:
```
df.duplicated()
```

Out[10]:
```
0         False
1         False
2         False
3         False
4         False
          ...
115757    False
115758    False
115759    False
115760    False
115761    False
Length: 115762, dtype: bool
```

In [11]:
```
df.duplicated(keep = False)
```

Out[11]:
```
0         False
1         False
2         False
3         False
4         False
          ...
115757    False
115758    False
115759    False
115760    False
115761    False
Length: 115762, dtype: bool
```

In [12]:
```
df.describe()
```

Out[12]:

	Unnamed: 0	Year
count	115762.000000	115762.000000
mean	4613.208713	2019.706907
std	2778.454982	4.525427
min	0.000000	1949.000000
25%	2226.000000	2018.000000
50%	4452.000000	2021.000000
75%	6950.000000	2023.000000
max	10099.000000	2023.000000

In [13]:
```
df.notna()
```

Out[13]:

	Unnamed: 0	Model	Year	Status	Mileage	Price	MSRP
0	True	True	True	True	True	True	True
1	True	True	True	True	True	True	True
2	True	True	True	True	True	True	True
3	True	True	True	True	True	True	True
4	True	True	True	True	True	True	True
...	...	...	...	...	...	...	...
115757	True	True	True	True	True	True	True
115758	True	True	True	True	True	True	True
115759	True	True	True	True	True	True	True
115760	True	True	True	True	True	True	True
115761	True	True	True	True	True	True	True

115762 rows × 7 columns

In [14]:
```
df.all()
```

Out[14]:
```
Unnamed: 0    False
Model          True
Year           True
Status         True
Mileage        True
Price          True
MSRP           True
dtype: bool
```

In [ ]:
```

```