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In [3]: import pandas as pd
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In [5]: df = pd.read_csv(r'C:\Users\Nitika\Downloads\CAR DETAILS FROM CAR DEKHO.csv')
```

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In [7]: df[df['selling_price']>600000][['name', 'year', 'selling_price']]
```

```
Out[7]:
```

	name	year	selling_price
8	Hyundai Creta 1.6 VTVT S	2015	850000
12	Toyota Corolla Altis 1.8 VL CVT	2018	1650000
21	Hyundai Creta 1.6 VTVT S	2015	850000
25	Toyota Corolla Altis 1.8 VL CVT	2018	1650000
27	Hyundai Venue SX Opt Diesel	2019	1195000
...	...	...	...
4311	Toyota Camry Hybrid 2.5	2017	1900000
4312	Maruti Ertiga 1.5 VDI	2019	1000000
4313	Ford Endeavour 2.2 Titanium AT 4X2	2019	2800000
4332	Mahindra Scorpio S2 7 Seater	2015	750000
4338	Hyundai Creta 1.6 CRDi SX Option	2016	865000

1057 rows × 3 columns

```
In [8]: df.shape
```

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Out[8]: (4340, 8)
```

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In [11]: df[df['transmission']=='Manual'][['name', 'km_driven']]
```

```
Out[11]:
```

	name	km_driven
0	Maruti 800 AC	70000
1	Maruti Wagon R LXI Minor	50000
2	Hyundai Verna 1.6 SX	100000
3	Datsun RediGO T Option	46000
4	Honda Amaze VX i-DTEC	141000
...	...	...
4335	Hyundai i20 Magna 1.4 CRDi (Diesel)	80000
4336	Hyundai i20 Magna 1.4 CRDi	80000
4337	Maruti 800 AC BSIII	83000
4338	Hyundai Creta 1.6 CRDi SX Option	90000
4339	Renault KWID RXT	40000

3892 rows × 2 columns

```
In [23]: df[df['owner']=='First Owner']['name']
```

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Out[23]:
0          Maruti 800 AC
1      Maruti Wagon R LXI Minor
2      Hyundai Verna 1.6 SX
3      Datsun RediGO T Option
5      Maruti Alto LX BSIII
...
4324      Maruti Alto 800 Base
4332      Mahindra Scorpio S2 7 Seater
4334      Toyota Innova 2.5 VX (Diesel) 8 Seater BS IV
4338      Hyundai Creta 1.6 CRDi SX Option
4339      Renault KWID RXT
Name: name, Length: 2832, dtype: object
```

```
In [20]: df
```

Out[20]:

	name	year	selling_price	km_driven	fuel	seller_type	transmission	owner
0	Maruti 800 AC	2007	60000	70000	Petrol	Individual	Manual	First Owner
1	Maruti Wagon R LXI Minor	2007	135000	50000	Petrol	Individual	Manual	First Owner
2	Hyundai Verna 1.6 SX	2012	600000	100000	Diesel	Individual	Manual	First Owner
3	Datsun RediGO T Option	2017	250000	46000	Petrol	Individual	Manual	First Owner
4	Honda Amaze VX i-DTEC	2014	450000	141000	Diesel	Individual	Manual	Second Owner
...	...	...	...	...	...	...	...	...
4335	Hyundai i20 Magna 1.4 CRDi (Diesel)	2014	409999	80000	Diesel	Individual	Manual	Second Owner
4336	Hyundai i20 Magna 1.4 CRDi	2014	409999	80000	Diesel	Individual	Manual	Second Owner
4337	Maruti 800 AC BSIII	2009	110000	83000	Petrol	Individual	Manual	Second Owner
4338	Hyundai Creta 1.6 CRDi SX Option	2016	865000	90000	Diesel	Individual	Manual	First Owner
4339	Renault KWID RXT	2016	225000	40000	Petrol	Individual	Manual	First Owner

4340 rows × 8 columns

```
In [30]: df[(df['selling_price']>1000000) & (df['year']==2010)]
```

Out[30]:

	name	year	selling_price	km_driven	fuel	seller_type	transmission	owner
163	Jaguar XJ 5.0 L V8 Supercharged	2010	2550000	40000	Petrol	Individual	Automatic	Second Owner
2685	Audi Q5 2.0 TFSI Quattro	2010	1100000	110000	Petrol	Individual	Automatic	First Owner
3782	Toyota Fortuner 3.0 Diesel	2010	1250000	205000	Diesel	Individual	Manual	Second Owner
3875	Land Rover Range Rover 4.4 Diesel LWB Vogue SE	2010	4200000	100000	Diesel	Dealer	Automatic	First Owner

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In [31]: df['selling_price'].max()
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8000000

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In [32]: df['selling_price'].min()
```

```
Out[32]: 20000
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In [41]: df[df['km_driven']==df['km_driven'].max()]['name']
```

```
Out[41]: 1243    Maruti Swift VXI BSIII  
Name: name, dtype: object
```

```
In [35]: df[df['selling_price']==df['selling_price'].max()]['name']
```

```
Out[35]: 3872    Audi RS7 2015-2019 Sportback Performance  
Name: name, dtype: object
```

```
In [37]: df[df['selling_price']==df['selling_price'].min()]['name']
```

```
Out[37]: 2662    Ford Ikon 1.6 ZXI NXt  
Name: name, dtype: object
```

```
In [42]: df[df['km_driven']==df['km_driven'].min()]['name']
```

```
Out[42]: 1312    Mahindra Quanto C6  
Name: name, dtype: object
```

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In [ ]:
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