

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

```
In [2]: data=pd.read_csv("newCarsIndia.csv")
data
```

Out[2]:

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
3	Tata Punch	Compact SUV	NaN	AMT,Manual	Petrol	₹ 5.83 - 9.49 L	na
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5
...
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	na
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	na
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	na

255 rows × 7 columns

```
In [3]: data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 255 entries, 0 to 254
Data columns (total 7 columns):
#   Column              Non-Null Count  Dtype
---  -
0   Car                  255 non-null   object
1   Style                255 non-null   object
2   Range                244 non-null   object
3   Transmission         255 non-null   object
4   VehicleType          255 non-null   object
5   PriceRange           255 non-null   object
```

6 Rating(outof10) 255 non-null object
dtypes: object(7)
memory usage: 14.1+ KB

In [4]: data.head()

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
3	Tata Punch	Compact SUV	NaN	AMT,Manual	Petrol	₹ 5.83 - 9.49 L	na
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5

In [5]: data.tail()

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	na
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	na
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	na

In [6]: data.isnull().sum()

Out[6]: Car 0
Style 0
Range 11
Transmission 0
VehicleType 0
PriceRange 0
Rating(outof10) 0
dtype: int64

In [22]: data.dropna(axis=0,inplace=True)

In [8]: data.isnull().sum()

Out[8]: Car 0
Style 0

Range 0
Transmission 0
VehicleType 0
PriceRange 0
Rating(outof10) 0
dtype: int64

```
In [9]: data
```

Out[9]:	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5
5	Tata Nexon	Subcompact SUV	21.5 Km/l	AMT,Automatic,Manual	Petrol,Diesel	₹ 7.4 - 13.74 L	7.8
...
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	na
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	na
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	na

244 rows × 7 columns

```
In [43]: data.dropna()
```

Out[43]:	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5
5	Tata Nexon	Subcompact SUV	21.5 Km/l	AMT,Automatic,Manual	Petrol,Diesel	₹ 7.4 - 13.74 L	7.8
...
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	na
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	na
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	na

244 rows × 7 columns

In [10]:

```
data['Car'].values
```

Out[10]:

```
array(['Tata Nexon EV', 'Hyundai Grand i10 Nios',
      'Maruti Suzuki Alto 800', 'MG Hector', 'Tata Nexon',
      'Maruti Suzuki Baleno', 'Hyundai Creta', 'Maruti Suzuki Ertiga',
      'Kia Seltos', 'Maruti Suzuki Wagon R', 'Mahindra Thar',
      'Mahindra Scorpio', 'Maruti Suzuki Vitara Brezza', 'Toyota Glanza',
      'Hyundai Venue', 'Hyundai Elite i20', 'Honda Amaze',
      'Maruti Suzuki S-Presso', 'Tata Tigor', 'Tata Altroz',
      'Tata Safari', 'Hyundai Alcazar', 'Hyundai Verna',
      'Mahindra XUV300', 'Toyota Urban Cruiser', 'Honda City',
      'Tata Tiago', 'Volkswagen Taigun', 'Tata Tigor EV',
      'Nissan Magnite', 'Tata Tiago NRG', 'Skoda Kushaq',
      'Maruti Suzuki Dzire', 'Mahindra Bolero', 'Renault Triber',
      'Renault Kiger', 'Toyota Innova Crysta', 'BMW i8', 'Renault Kwid',
      'Mahindra Bolero Camper', 'Mahindra Bolero Pik-Up', 'Bajaj Qute',
      'Toyota Vellfire', 'Kia Sonet', 'Maruti Suzuki Celerio',
      'Mercedes-Benz G-Class', 'Maruti Suzuki Eeco', 'Tata Nexon EV Max',
      'Mahindra Bolero Neo', 'MG ZS EV', 'Jeep Compass',
      'Mercedes-Benz C-Class', 'Maruti Suzuki XL6', 'Mercedes-AMG G 63',
      'Maruti Suzuki Swift', 'Datsun Go Plus', 'Hyundai Grand i10',
      'Volkswagen Polo', 'Jeep Wrangler Unlimited',
      'Rolls-Royce Phantom', 'Mahindra Marazzo', 'Ford EcoSport',
      'Isuzu D-Max', 'Land Rover Range Rover', 'Hyundai New Santro',
      'Hyundai Kona Electric', 'Jaguar XJ', 'Mercedes-Benz CLA-Class',
      'Kia Carnival', 'Hyundai Aura', 'Renault Duster',
      'Mahindra Bolero Big Pik-Up', 'Maruti Suzuki S-Cross',
      'Honda Jazz', 'Mahindra KUV100', 'Audi R8',
      'Mercedes-AMG GLE Coupe', 'Hyundai Elantra',
```

```
'Mercedes-AMG C 43 Coupe', 'Lexus ES', 'Maruti Suzuki Ciaz',
'MG Gloster', 'Volkswagen Tiguan', 'Skoda Rapid', 'BMW 3 Series',
'Skoda Octavia', 'Volvo XC40', 'BMW M3', 'Toyota Fortuner',
'Mercedes-Benz A-Class Limousine', 'Tata Harrier',
'Land Rover Discovery Sport', 'Audi Q2', 'Lamborghini Urus',
'Citroen C5 Aircross', 'Lamborghini Huracan', 'BMW X7',
'Jaguar I-Pace', 'Audi Q5', 'Audi A4', 'Jaguar XF',
'Mercedes-AMG C 43', 'Mercedes-Benz GLA-Class',
'Land Rover Range Rover Velar', 'BMW 6 Series Gran Turismo',
'Ford Figo', 'Audi E-Tron GT', 'Land Rover Discovery', 'Lexus LC',
'Mercedes-Benz E-Class All-Terrain', 'Land Rover Defender',
'BMW Z4', 'Mercedes-AMG E 53', 'BMW 3 Series Gran Turismo',
'BMW M2', 'Ferrari GTC4Lusso', 'BMW 3 Series Gran Limousine',
'MINI 5 door', 'BMW 8 Series', 'Audi RS5',
'Mercedes-AMG S 63 Coupe', 'Lexus RC F', 'Ford Figo Aspire',
'Lamborghini Huracan STO', 'Datsun Redi GO', 'Ford Endeavour',
'Volvo XC90', 'Mercedes-Maybach S-Class', 'Lamborghini Aventador',
'Audi S5', 'Audi A8', 'Porsche Macan', 'Maruti Suzuki Ignis',
'Isuzu D-Max V-Cross', 'Audi RS Q8', 'Aston Martin DB11',
'Porsche Boxster', 'BMW M4', 'Mercedes-Benz GLS', 'BMW M5',
'Ford Freestyle', 'BMW 7 Series', 'Mercedes-AMG C 63 S',
'Mercedes-Benz E-Class', 'Audi RS7 Sportback', 'Toyota Camry',
'Hyundai Tucson', 'Aston Martin Vantage', 'Bentley Mulsanne',
'MINI 3 door', 'Mercedes-AMG CLA 45', 'Maruti Suzuki Celerio X',
'Ferrari 488 GTB', 'Land Rover Range Rover Sport',
'Maserati Ghibli', 'Maserati GranTurismo', 'BMW X1',
'Mahindra Alturas G4', 'Rolls-Royce Wraith', 'Honda WR-V',
'Nissan Kicks', 'BYD E6', 'Porsche Cayenne Coupe', 'Skoda Slavia',
'MINI Clubman', 'MINI Cooper Convertible', 'Audi TT',
'Mercedes-Benz CLS', 'Mercedes-Benz EQC', 'Audi A6',
'Ferrari F8 Tributo', 'Datsun Go', 'Volvo S60', 'Mercedes-AMG GT',
'Porsche Cayenne', 'Lexus LX', 'BMW X5', 'MG Hector Plus',
'BMW X4', 'Volkswagen T-Roc', 'Volkswagen Vento', 'Porsche 911',
'BMW iX', 'Mercedes-AMG GLC 43 Coupe', 'Jaguar XE', 'Lexus NX',
'Volkswagen Tiguan AllSpace', 'Rolls-Royce Cullinan',
'Mercedes-Benz GLE-Class', 'Skoda Kodiaq', 'Audi Q8', 'BMW X3',
'Volvo XC60', 'Mercedes-Benz V-Class', 'Maruti Suzuki Baleno RS',
'Lexus LS', 'BMW X6 M', 'Rolls-Royce Ghost', 'BMW 5 Series',
'Skoda Superb', 'Ferrari Roma', 'Mercedes-AMG A 35',
'Mercedes-Benz S-Class', 'Ferrari 488 Spider', 'Volvo S90',
'BMW X6', 'Audi E-Tron', 'BMW 2 Series Gran Coupe',
'Mercedes-AMG GLA 45', 'SsangYong Rexton W', 'BMW X5 M',
'Mercedes-Maybach GLS', 'BMW M8', 'Mercedes-AMG E 63 S',
'Mercedes-Benz GLC', 'Rolls-Royce Dawn', 'Hyundai i20 N Line',
'Maserati Levante', 'Land Rover Range Rover Evoque', 'Lexus RX',
'Jaguar F-Pace', 'Mercedes-AMG SLC 43', 'Nissan GT-R',
'Bentley Continental', 'Bentley Flying Spur',
'Ferrari SF90 Stradale', 'Lamborghini Huracan EVO RWD Spyder',
'Maserati Quattroporte', 'Mercedes-AMG GLS 63',
'Audi E-Tron GT Sportback', 'Bentley Bentayga', 'Aston Martin DBX',
'MINI Countryman', 'Porsche Cayman', 'Audi RS E-Tron GT',
'Jaguar F-Type', 'Audi A5', 'BMW X3 M', 'Jeep Grand Cherokee',
'Porsche Panamera', 'Ferrari 812 Superfast', 'Ferrari California',
'Ferrari Portofino', 'MINI SE'], dtype=object)
```

In [11]: data

Out[11]:	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5
5	Tata Nexon	Subcompact SUV	21.5 Km/l	AMT,Automatic,Manual	Petrol,Diesel	₹ 7.4 - 13.74 L	7.8
...
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	na
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	na
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	na

244 rows × 7 columns

```
In [13]: data["Rating(outof10)"] = pd.to_numeric(data["Rating(outof10)"], errors="coerce")
data["Rating(outof10)"].dtype
```

Out[13]: dtype('float64')

```
In [14]: data
```

Out[14]:

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
5	Tata Nexon	Subcompact SUV	21.5 Km/l	AMT,Automatic,Manual	Petrol,Diesel	₹ 7.4 - 13.74 L	7.8
...
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	NaN
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	NaN
254	MINI SE	Luxury Hatchback	270 Km/Full Charge	Automatic	Electric	₹ 47.2 L	NaN

244 rows × 7 columns

In [15]:

```
display(data[data['Rating(outof10)']>=6])
```

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
0	Tata Nexon EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	₹ 13.99 - 17.4 L	8.5
1	Hyundai Grand i10 Nios	Compact Hatchback	20.2 - 26.2 Km/l	AMT,Manual	Petrol,Petrol+CNG,Diesel	₹ 5.3 - 8.51 L	8.5
2	Maruti Suzuki Alto 800	Entry Hatchback	24.7 - 31.39 Km/l	Manual	Petrol,Petrol+CNG	₹ 3.39 - 5.03 L	6.6
4	MG Hector	SUV	13.96 - 17.4 Km/l	Automatic,Manual	Petrol,Diesel,Hybrid	₹ 13.5 - 19.36 L	7.5
5	Tata Nexon	Subcompact SUV	21.5 Km/l	AMT,Automatic,Manual	Petrol,Diesel	₹ 7.4 - 13.74 L	7.8
...
246	Jaguar F-Type	Sports Car	10.85 - 15.3 Km/l	Automatic	Petrol	₹ 95.12 L - 2.42 Cr	7.8
247	Audi A5	Premium Sports Sedan	17.2 - 19.2 Km/l	Automatic	Diesel	₹ 55.4 - 69.24 L	7.8
249	Jeep Grand Cherokee	Luxury SUV	8.6 - 12.8 Km/l	Automatic	Diesel,Petrol	₹ 75.15 L - 1.07 Cr	7.3

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9

180 rows × 7 columns

In [16]:

```
display(data[data.Style=='Premium Sports Coupe'])
```

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
123	Ferrari GTC4Lusso	Premium Sports Coupe	8.8 - 9 Km/l	Automatic	Petrol	₹ 4.2 - 5.2 Cr	7.9
127	Audi RS5	Premium Sports Coupe	11.1 Km/l	Automatic	Petrol	₹ 1.09 Cr	7.1
143	Aston Martin DB11	Premium Sports Coupe	12 Km/l	Automatic	Petrol	₹ 4.27 Cr	NaN
145	BMW M4	Premium Sports Coupe	10.8 Km/l	Automatic	Petrol	₹ 1.44 Cr	8.4
156	Aston Martin Vantage	Premium Sports Coupe	7 Km/l	Automatic	Petrol	₹ 2.95 Cr	NaN
163	Maserati Ghibli	Premium Sports Coupe	16.9 - 16.94 Km/l	Automatic	Hybrid,Petrol,Diesel	₹ 1.15 - 1.93 Cr	7.7
164	Maserati GranTurismo	Premium Sports Coupe	14.3 Km/l	Automatic	Petrol	₹ 2.25 - 2.51 Cr	8.0
171	Porsche Cayenne Coupe	Premium Sports Coupe	8.84 - 10.75 Km/l	Automatic	Petrol,Hybrid	₹ 1.32 - 1.98 Cr	8.1
187	BMW X4	Premium Sports Coupe	12.82 - 14.24 Km/l	Automatic	Petrol,Diesel	₹ 71.9 - 73.9 L	8.7
214	Ferrari 488 Spider	Premium Sports Coupe	11.4 Km/l	Automatic	Petrol	₹ 4.34 Cr	7.9
232	Mercedes-AMG SLC 43	Premium Sports Coupe	12.8 Km/l	Automatic	Petrol	₹ 77.5 - 87.48 L	7.1
233	Nissan GT-R	Premium Sports Coupe	9 Km/l	Automatic	Petrol	₹ 2.12 Cr	7.5
234	Bentley Continental	Premium Sports Coupe	8.5 - 10.6 Km/l	Automatic	Petrol	₹ 3.3 - 4.4 Cr	8.1
251	Ferrari 812 Superfast	Premium Sports Coupe	6.7 Km/l	Automatic	Petrol	₹ 5.2 Cr	NaN
253	Ferrari Portofino	Premium Sports Coupe	10 Km/l	Automatic	Petrol	₹ 3.5 Cr	NaN

In [33]:

```
display(data[data.VehicleType=='Petrol'])
```

	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
--	-----	-------	-------	--------------	-------------	------------	-----------------

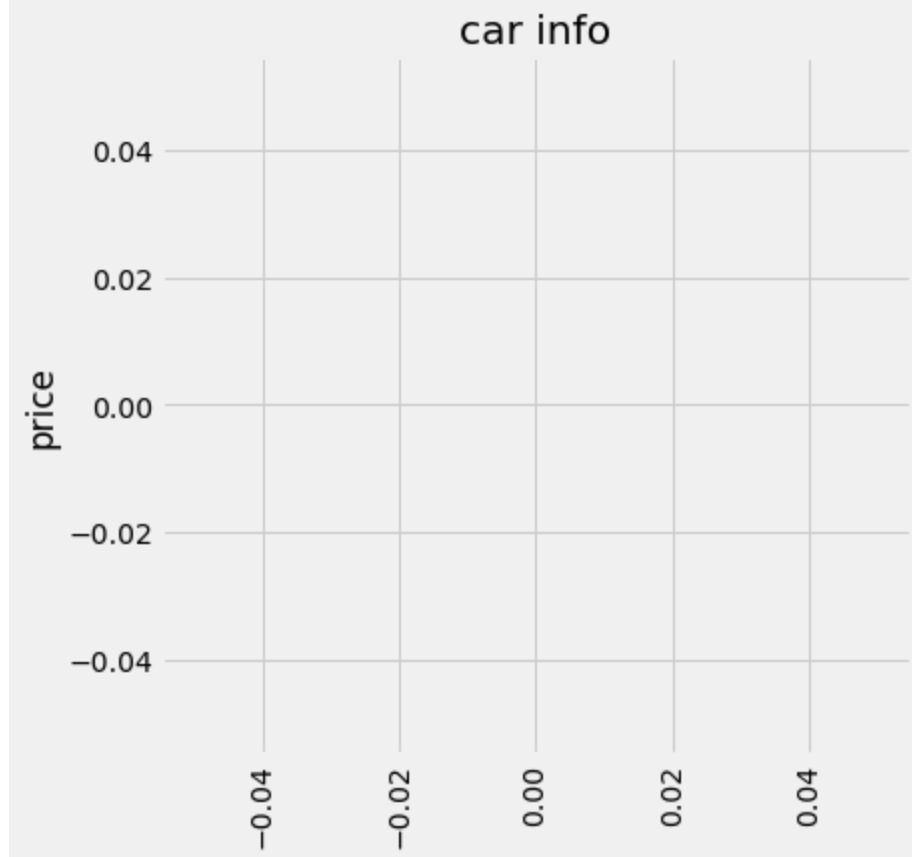
	Car	Style	Range	Transmission	VehicleType	PriceRange	Rating(outof10)
6	Maruti Suzuki Baleno	Premium Hatchback	22.35 - 22.94 Km/l	Automatic,Manual	Petrol	₹ 6.49 - 9.71 L	8.2
13	Maruti Suzuki Vitara Brezza	Subcompact SUV	17.03 - 18.76 Km/l	Automatic,Manual	Petrol	₹ 7.84 - 11.33 L	7.9
14	Toyota Glanza	Premium Hatchback	22.35 - 22.94 Km/l	AMT,Manual	Petrol	₹ 6.39 - 9.69 L	7.7
39	Renault Triber	Compact MPV	20 Km/l	AMT,Manual	Petrol	₹ 5.69 - 8.25 L	8.4
43	Renault Kwid	Entry Hatchback	22 - 25 Km/l	AMT,Manual	Petrol	₹ 4.25 - 5.71 L	8.0
...
243	MINI Countryman	Compact SUV/Crossover	14.41 Km/l	Automatic	Petrol	₹ 39.5 - 43.4 L	7.0
244	Porsche Cayman	Sports Car	14.4 Km/l	Automatic	Petrol	₹ 86 L - 1.63 Cr	7.8
246	Jaguar F-Type	Sports Car	10.85 - 15.3 Km/l	Automatic	Petrol	₹ 95.12 L - 2.42 Cr	7.8
250	Porsche Panamera	Premium Sports Sedan	8 Km/l	Automatic	Petrol	₹ 1.45 - 2.43 Cr	6.6
252	Ferrari California	Sports Car	9.5 Km/l	Automatic	Petrol	₹ 3.8 Cr	7.9

91 rows × 7 columns

```
In [34]: import matplotlib.pyplot as plt
from matplotlib import style
from matplotlib import figure
style.use('fivethirtyeight')
```

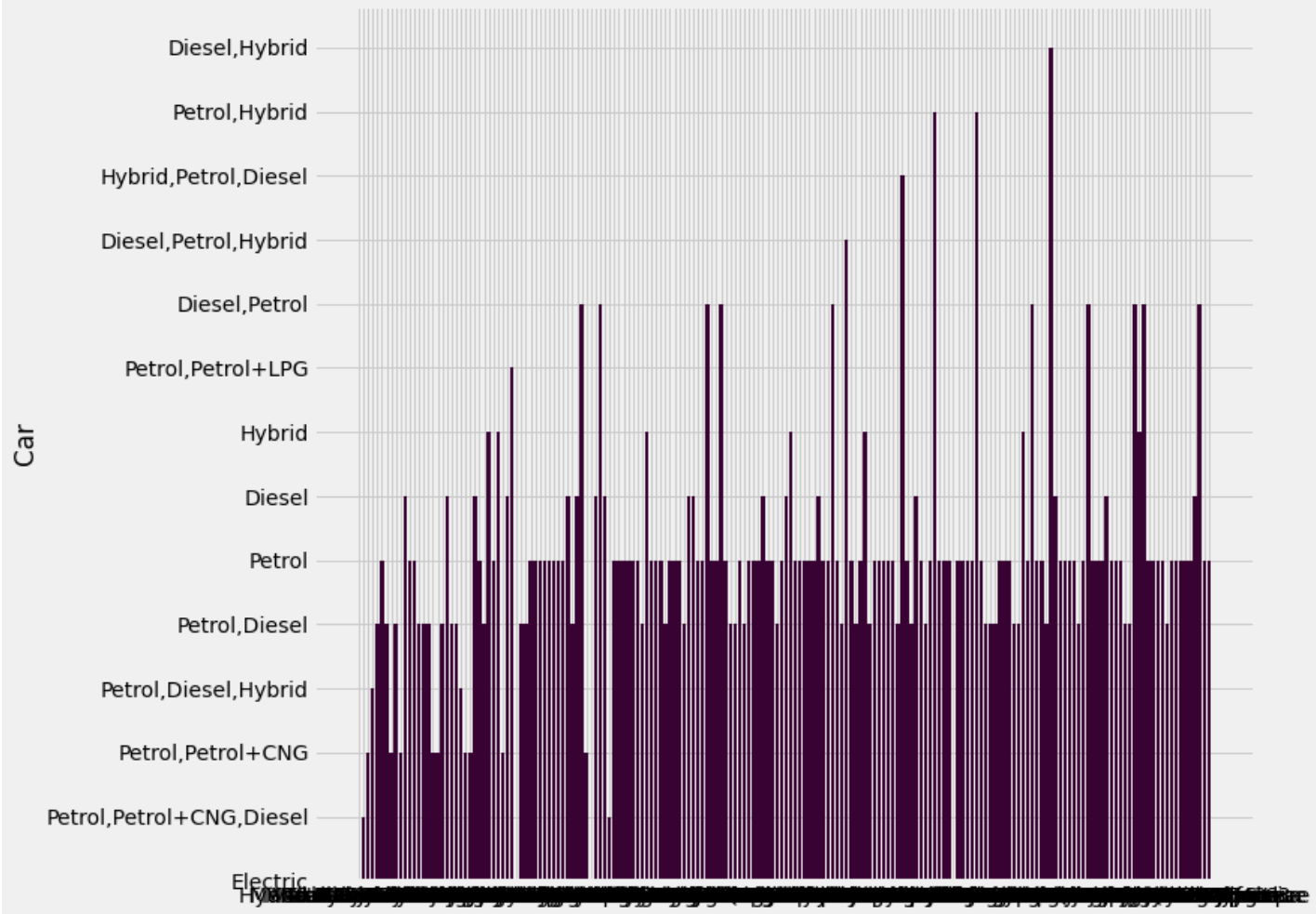
```
In [35]: s=data[data.Style=='premium Sports Coupe']
```

```
In [36]: plt.bar(s['Transmission'],s['VehicleType'])
plt.title('car info')
plt.ylabel('price')
plt.gcf().set_size_inches(6,6)
plt.xticks(rotation=90)
plt.show()
```



```
In [37]: plt.bar(data['Car'],data['VehicleType'],color='#380232')
plt.title('car information')
plt.ylabel('Car')
plt.gcf().set_size_inches(10,10)
plt.show()
```

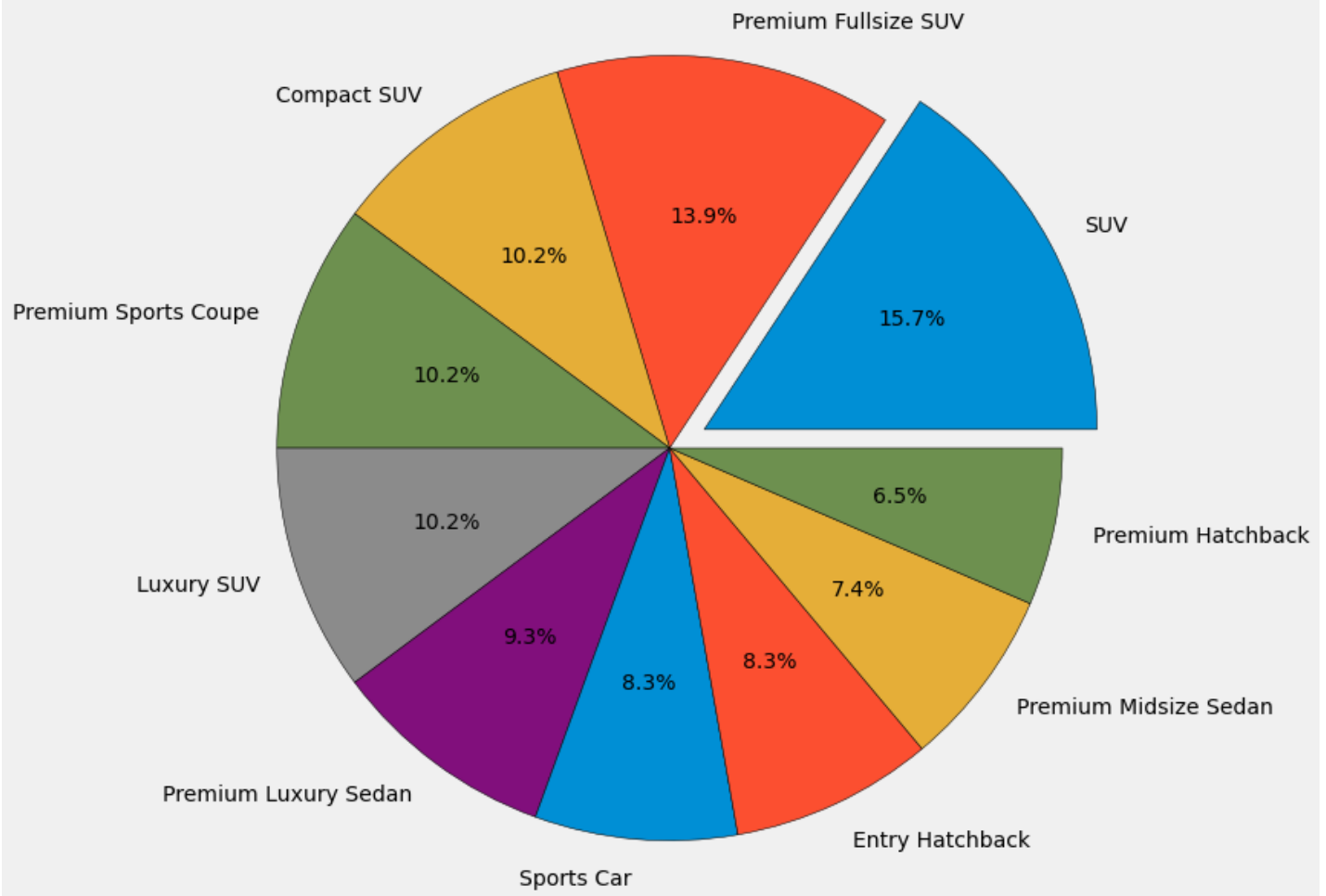
car information



In [38]:

```
style=data["Style"].value_counts().head(10).values
name=data["Style"].value_counts().head(10).index
plt.gcf().set_size_inches(20,11)
plt.pie(style,labels=name,autopct="%1.1f%%",wedgeprops={"edgecolor":"black"},explode=[0.1,
plt.title('Top 10')
plt.show()
```

Top 10



In []:

In []: