

# Car Resale Value Prediction

## Read the Dataset

```
# loading the data from csv file to pandas dataframe
```

```
car_dataset = pd.read_csv('/content/car_data.csv')
```

```
#inspecting the first five rows of the dataframe
```

```
car_dataset.head()
```

**output :**

```
index,Car_Name,Year,Selling_Price,Present_Price,Kms_Driven,Fuel_Type,Seller_Type,Transmission,Owner
0,ritz,2014,3.35,5.59,27000,Petrol,Dealer,Manual,0
1,sx4,2013,4.75,9.54,43000,Diesel,Dealer,Manual,0
2,ciaz,2017,7.25,9.85,6900,Petrol,Dealer,Manual,0
3,wagon r,2011,2.85,4.15,5200,Petrol,Dealer,Manual,0
4,swift,2014,4.6,6.87,42450,Diesel,Dealer,Manual,0
```

```
#checking the number of rows and columns
```

```
car_dataset.shape
```

**output :**

```
(301,9)
```

```
#getting some information about dataset
```

```
car_dataset.info()
```

output :

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 301 entries, 0 to 300
```

```
Data columns (total 9 columns):
```

#	Column	Non-Null Count	Dtype
0	Car_Name	301 non-null	object
1	Year	301 non-null	int64
2	Selling_Price	301 non-null	float64
3	Present_Price	301 non-null	float64
4	Kms_Driven	301 non-null	int64
5	Fuel_Type	301 non-null	object
6	Seller_Type	301 non-null	object
7	Transmission	301 non-null	object
8	Owner	301 non-null	int64

```
dtypes: float64(2), int64(3), object(4)
```

```
memory usage: 21.3+ KB
```

```
#checking the number of missing values
```

```
car_dataset.isnull().sum()
```

output :

```
Car_Name 0
```

```
Year 0
```

```
Selling_Price 0
```

```
Present_Price 0
```

```
Kms_Driven 0
```

```
Fuel_Type 0
```

```
Seller_Type 0
```

```
Transmission 0
```

```
Owner 0
```

```
dtype: int64
```