```
In [ ]: import pandas as pd
           import numpy as np
           import matplotlib.pyplot as plt
          df=pd.read_csv('car_data.csv')
In [25]: df.head()
              Unnamed: 0
                                                              Model Year Status
                                                                                      Mileage
                                                                                                      MSRP
Out[25]:
           0
                       0
                                                2022 Acura TLX A-Spec 2022
                                                                                               MSRP $49,445
                                                                             New Not available
           1
                       1
                                                2023 Acura RDX A-Spec 2023
                                                                             New Not available
                                                                                                Not specified
                       2
           2
                                                2023 Acura TLX Type S 2023
                                                                             New Not available
                                                                                                Not specified
                                                2023 Acura TLX Type S 2023
           3
                       3
                                                                             New Not available
                                                                                                Not specified
           4
                       4 2019 Acura MDX Sport Hybrid 3.0L w/Technology ... 2019
                                                                                    32,675 mi. $600 price drop
                                                                            Used
           df.describe()
                    Unnamed: 0
                                         Year
Out[26]:
           count 115762.000000 115762.000000
                   4613.208713
                                  2019.706907
           mean
             std
                   2778.454982
                                     4.525427
                      0.000000
                                  1949.000000
            min
                                  2018.000000
            25%
                   2226.000000
            50%
                   4452.000000
                                  2021.000000
                    6950.000000
            75%
                                  2023.000000
            max 10099.000000
                                  2023.000000
In [27]:
          df.all()
           Unnamed: 0
                           False
Out[27]
           Model
                            True
           Year
                            True
           Status
                            True
           Mileage
                            True
           MSRP
                            True
           dtype: bool
          df.duplicated()
In [28]:
                      False
Out[28]:
                      False
           2
                      False
           3
                      False
           4
                      False
                       . . .
           115757
                      False
           115758
                      False
           115759
                      False
           115760
                      False
           115761
                      False
           Length: 115762, dtype: bool
          df.drop_duplicates()
                                                                   Model Year Status
                                                                                           Mileage
                                                                                                           MSRP
Out[29]:
                   Unnamed: 0
                0
                            0
                                                     2022 Acura TLX A-Spec 2022
                                                                                 New Not available MSRP $49,445
                                                     2023 Acura RDX A-Spec 2023
               1
                            1
                                                                                  New Not available
                                                                                                      Not specified
                2
                            2
                                                     2023 Acura TLX Type S 2023
                                                                                  New Not available
                                                                                                      Not specified
                            3
                3
                                                     2023 Acura TLX Type S 2023
                                                                                                     Not specified
                                                                                  New Not available
                            4 2019 Acura MDX Sport Hybrid 3.0L w/Technology ... 2019
                                                                                         32,675 mi. $600 price drop
                4
                                                                                Used
                                   2023 Volkswagen Atlas 3.6L SE w/Technology 2023
                                                                                  New Not available
           115757
                        10005
                                                                                                      Not specified
           115758
                        10006
                                               2023 Volkswagen Taos 1.5T SE 2023
                                                                                  New Not available
                                                                                                      Not specified
                                                                                       100,395 mi.
           115759
                        10007
                                                    2012 Volkswagen Beetle 2012
                                                                                 Used
                                                                                                   $252 price drop
                                                 2022 Volkswagen ID.4 Pro S 2022
           115760
                        10008
                                                                                                      Not specified
                                                                                  New Not available
           115761
                                                                                 Used 125,757 mi.
                        10009
                                              2013 Volkswagen Passat 2.5 SE 2013
                                                                                                      Not specified
          115762 rows × 6 columns
In [30]: df.isnull()
                                      Year Status Mileage MSRP
Out[30]:
                   Unnamed: 0 Model
                                                      False False
                0
                         False
                               False False
                                             False
               1
                         False
                               False False
                                             False
                                                      False False
                2
                         False
                               False False
                                             False
                                                      False
                                                            False
                3
                               False
                         False
                                     False
                                             False
                                                      False
                                                             False
                4
                         False
                               False
                                     False
                                             False
                                                      False
                                                            False
           115757
                         False
                               False False
                                             False
                                                      False
                                                            False
           115758
                         False
                                      False
                                             False
                                                      False
                                                             False
           115759
                                             False
                         False
                               False False
                                                      False
                                                            False
           115760
                                False
                                      False
                                             False
                                                      False
                                                             False
           115761
                               False False
                         False
                                             False
                                                      False
                                                            False
          115762 rows × 6 columns
In [31]: del df['Year']
In [32]: df
                                                                   Model Status
                                                                                                     MSRP
Out[32]:
                   Unnamed: 0
                                                                                     Mileage
               0
                                                                                              MSRP $49,445
                            0
                                                     2022 Acura TLX A-Spec
                                                                            New Not available
               1
                            1
                                                     2023 Acura RDX A-Spec
                                                                            New Not available
                                                                                                Not specified
                2
                            2
                                                     2023 Acura TLX Type S
                                                                                                Not specified
                                                                            New Not available
               3
                            3
                                                     2023 Acura TLX Type S
                                                                                                Not specified
                                                                            New Not available
                            4 2019 Acura MDX Sport Hybrid 3.0L w/Technology ...
                4
                                                                                   32,675 mi. $600 price drop
                                                                           Used
           115757
                        10005
                                   2023 Volkswagen Atlas 3.6L SE w/Technology
                                                                            New Not available
                                                                                                Not specified
           115758
                        10006
                                               2023 Volkswagen Taos 1.5T SE
                                                                                                Not specified
                                                                            New Not available
           115759
                        10007
                                                                                  100,395 mi. $252 price drop
                                                    2012 Volkswagen Beetle
                                                                           Used
                                                                                                Not specified
           115760
                        10008
                                                 2022 Volkswagen ID.4 Pro S
                                                                            New Not available
           115761
                                              2013 Volkswagen Passat 2.5 SE
                                                                           Used 125,757 mi.
                        10009
                                                                                                Not specified
          115762 rows × 5 columns
          df['Status'].hist()
           <AxesSubplot:>
Out[33]:
            60000
            50000
            40000
            30000
           20000
            10000
                     New Usedira Behit Militativitifiet biology ei file antificativified Certified
           df['Mileage'].hist()
 In [ ]:
```