PRACTICAL NO 4

GROUP MEMBERS:

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**import** pandas **as** pd df**=**pd**.**read\_csv("C:/Users/ASUS/Documents/car csv.csv") df

Out[2]:

**Fuel Seller**

**Make Model Price Year Kilometer Transmission Location Color Owner**

**Type Type**

Amaze

1. Honda 1.2 VX 505000 2017 87150 Petrol Manual Pune Grey First Corporate i-VTEC

Swift

Maruti

1. DZire 450000 2014 75000 Diesel Manual Ludhiana White Second Individual

Suzuki

VDI

i10 Magna

1. Hyundai 220000 2011 67000 Petrol Manual Lucknow Maroon First Individual

1.2 Kappa2

Glanza

1. Toyota 799000 2019 37500 Petrol Manual Mangalore Red First Individual

G

Innova

2.4 VX

1. Toyota 7 STR 1950000 2018 69000 Diesel Manual Mumbai Grey First Individual

[2016-

2020]

**...** ... ... ... ... ... ... ... ... ... ... ...

XUV500

W8

1. Mahindra 850000 2016 90300 Diesel Manual Surat White First Individual

[20152017]

Eon D-

1. Hyundai 275000 2014 83000 Petrol Manual Ahmedabad White Second Individual

Lite +

*#print model wise price* print(df[['Model','Price']])

Model Price

1. Amaze 1.2 VX i-VTEC 505000
2. Swift DZire VDI 450000

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Make** | **Model** | **Price** | **Year** | **Kilometer** | **Fuel Type** | **Transmission** | **Location** | **Color** | **Owner** | **Seller Type** |
| **2056** | Ford | Figo  Duratec  Petrol ZXI 1.2 | 240000 | 2013 | 73000 | Petrol | Manual | Thane | Silver | First | Individual |
| **2057** | BMW | 5-Series  520d  Luxury  Line [20172019] | 4290000 | 2018 | 60474 | Diesel | Automatic | Coimbatore | White | First | Individual |
| **2058** | Mahindra | Bolero  Power  Plus  ZLX [20162019] | 670000 | 2017 | 72000 | Diesel | Manual | Guwahati | White | First | Individual |
| 2059 rows × 20 columns | | |
| In [3]: In [4]: | |
| *#print name of all car models* print(df['Model']) | | | | |
| 1. Amaze 1.2 VX i-VTEC 2. Swift DZire VDI 3. i10 Magna 1.2 Kappa2 4. Glanza G 5. Innova 2.4 VX 7 STR [2016-2020] ... 6. XUV500 W8 [2015-2017] 7. Eon D-Lite + 8. Figo Duratec Petrol ZXI 1.2 9. 5-Series 520d Luxury Line [2017-2019] 10. Bolero Power Plus ZLX [2016-2019]   Name: Model, Length: 2059, dtype: object | | | | | | |

1. i10 Magna 1.2 Kappa2 220000
2. Glanza G 799000
3. Innova 2.4 VX 7 STR [2016-2020] 1950000 ... ... ...
4. XUV500 W8 [2015-2017] 850000
5. Eon D-Lite + 275000
6. Figo Duratec Petrol ZXI 1.2 240000
7. 5-Series 520d Luxury Line [2017-2019] 4290000
8. Bolero Power Plus ZLX [2016-2019] 670000

[2059 rows x 2 columns]

In [5]:

*#print model wise engine power* print(df[['Model','Engine']])

Model Engine

1. Amaze 1.2 VX i-VTEC 1198 cc
2. Swift DZire VDI 1248 cc
3. i10 Magna 1.2 Kappa2 1197 cc
4. Glanza G 1197 cc
5. Innova 2.4 VX 7 STR [2016-2020] 2393 cc ... ... ...
6. XUV500 W8 [2015-2017] 2179 cc
7. Eon D-Lite + 814 cc
8. Figo Duratec Petrol ZXI 1.2 1196 cc
9. 5-Series 520d Luxury Line [2017-2019] 1995 cc
10. Bolero Power Plus ZLX [2016-2019] 1493 cc

[2059 rows x 2 columns]

In [6]:

*#describe about data* print(df**.**describe())

Price Year Kilometer Length Width \ count 2.059000e+03 2059.000000 2.059000e+03 1995.000000 1995.000000 mean 1.702992e+06 2016.425449 5.422471e+04 4280.860652 1767.991980 std 2.419881e+06 3.363564 5.736172e+04 442.458507 135.265825 min 4.900000e+04 1988.000000 0.000000e+00 3099.000000 1475.000000 25% 4.849990e+05 2014.000000 2.900000e+04 3985.000000 1695.000000

50% 8.250000e+05 2017.000000 5.000000e+04 4370.000000 1770.000000 75% 1.925000e+06 2019.000000 7.200000e+04 4629.000000 1831.500000 max 3.500000e+07 2022.000000 2.000000e+06 5569.000000 2220.000000

Height Seating Capacity Fuel Tank Capacity count 1995.000000 1995.000000 1946.000000 mean 1591.735338 5.306266 52.002210 std 136.073956 0.822170 15.110198 min 1165.000000 2.000000 15.000000 25% 1485.000000 5.000000 41.250000

50% 1545.000000 5.000000 50.000000 75% 1675.000000 5.000000 60.000000 max 1995.000000 8.000000 105.000000

In [7]:

*#print highest priced car* print(df['Price']**.**max())

35000000

In [8]:

*#lowest priced car* print(df['Price']**.**min())

49000

In [9]:

*#average price of car*

print(df['Price']**.**mean())

1702991.6964545897

In [10]:

*#median of car price in data* print(df['Price']**.**median())

825000.0

In [11]:

*#highest fuel tank capacity in car* print(df['Fuel Tank Capacity']**.**max())

105.0

In [12]:

*#number of data*  print(df**.**count())

Make 2059

Model 2059

Price 2059

Year 2059

Kilometer 2059

Fuel Type 2059

Transmission 2059

Location 2059

Color 2059

Owner 2059

Seller Type 2059

Engine 1979

Max Power 1979

Max Torque 1979

Drivetrain 1923

Length 1995

Width 1995

Height 1995

Seating Capacity 1995 Fuel Tank Capacity 1946 dtype: int64

In [13]:

*#model wise count of car* print(df['Model']**.**value\_counts())

X1 sDrive20d xLine 15

Swift DZire VDI 14

City V 13

Fortuner 2.8 4x2 AT [2016-2020] 13

Swift DZire VXI 12 ..

XF R 5.0 V8 Supercharged 1

Pajero SFX 2.8 1

Etios G 1

Marazzo M6 Plus 8 STR 1

Figo Duratec Petrol ZXI 1.2 1

Name: Model, Length: 1050, dtype: int64

In [14]:

*#cars having cost greater than 2500000* print(df**.**loc[df['Price']**>**2500000])

Make Model Price Year \

7 BMW X1 xDrive20d M Sport 2650000 2017

38 Mercedes-Benz GLC 220 d Progressive 3850000 2017

56 BMW X3 xDrive 20d Luxury Line [2018-2020] 3800000 2018

60 BMW 3-Series 320i Luxury Line 2800000 2017

67 Toyota Fortuner 2.8 4x2 AT [2016-2020] 3499000 2019 ... ... ... ... ...

2032 Land Rover Range Rover Velar 2.0 S Petrol 250 8900000 2020

1. Mercedes-Benz C-Class C 220 CDI Avantgarde 2850000 2016
2. Mahindra XUV700 AX 7 Petrol AT Luxury Pack 7 STR 2765000 2022

2049 Mercedes-Benz GLS 400 4MATIC 5950000 2017 2057 BMW 5-Series 520d Luxury Line [2017-2019] 4290000 2018

Kilometer Fuel Type Transmission Location Color Owner \

7 75000 Diesel Automatic Coimbatore White Second

38 45600 Diesel Automatic Mumbai Black Second

56 9512 Diesel Automatic Mumbai Blue First

60 15900 Petrol Automatic Delhi White First

67 73000 Diesel Automatic Mumbai White First ... ... ... ... ... ... ...

2032 88000 Petrol Automatic Mumbai White First

1. 21200 Diesel Automatic Pune Silver First
2. 75 Petrol Automatic Delhi Blue First

2049 80000 Petrol Automatic Delhi Black First 2057 60474 Diesel Automatic Coimbatore White First

Seller Type Engine Max Power Max Torque Drivetrain \

7 Individual 1995 cc 188 bhp @ 4000 rpm 400 Nm @ 1750 rpm AWD

38 Individual 2143 cc 168 bhp @ 3000 rpm 400 Nm @ 1400 rpm AWD

56 Corporate 1995 cc 190 bhp @ 4000 rpm 400 Nm @ 1750 rpm AWD

60 Individual 1998 cc 181 bhp @ 5000 rpm 270 Nm @ 1350 rpm RWD

67 Individual 2755 cc 174 bhp @ 3400 rpm 450 Nm @ 1600 rpm RWD ... ... ... ... ... ...

2032 Individual 1997 cc 247 bhp @ 5500 rpm 365 Nm @ 1500 rpm AWD

1. Individual 2143 cc 168 bhp @ 3000 rpm 400 Nm @ 1400 rpm RWD
2. Individual 1997 cc 197 bhp @ 5000 rpm 380 Nm @ 1750 rpm FWD

2049 Individual 2996 cc 329 bhp @ 5250 rpm 480 Nm @ 1600 rpm AWD 2057 Individual 1995 cc 188 bhp @ 4000 rpm 400 Nm @ 1750 rpm RWD

Length Width Height Seating Capacity Fuel Tank Capacity

7 4439.0 1821.0 1612.0 5.0 51.0

38 4656.0 1890.0 1639.0 5.0 66.0

56 4657.0 1881.0 1678.0 5.0 67.0

60 4633.0 1811.0 1429.0 5.0 57.0

67 4795.0 1855.0 1835.0 7.0 80.0 ... ... ... ... ... ...

2032 4797.0 2032.0 1665.0 5.0 NaN

1. 4686.0 1810.0 1442.0 5.0 66.0
2. 4695.0 1890.0 1755.0 7.0 60.0

2049 5130.0 1934.0 1850.0 5.0 100.0 2057 4936.0 1868.0 1479.0 5.0 65.0

[397 rows x 20 columns]

In [15]:

*#cars having price less than 1000000* print(df**.**loc[df['Price']**<**1000000]) Make Model Price Year \

1. Honda Amaze 1.2 VX i-VTEC 505000 2017
2. Maruti Suzuki Swift DZire VDI 450000 2014
3. Hyundai i10 Magna 1.2 Kappa2 220000 2011
4. Toyota Glanza G 799000 2019

5 Maruti Suzuki Ciaz ZXi 675000 2017 ... ... ... ... ...

1. Maruti Suzuki Ritz Vxi (ABS) BS-IV 245000 2014
2. Mahindra XUV500 W8 [2015-2017] 850000 2016
3. Hyundai Eon D-Lite + 275000 2014
4. Ford Figo Duratec Petrol ZXI 1.2 240000 2013 2058 Mahindra Bolero Power Plus ZLX [2016-2019] 670000 2017

Kilometer Fuel Type Transmission Location Color Owner Seller Type \

1. 87150 Petrol Manual Pune Grey First Corporate
2. 75000 Diesel Manual Ludhiana White Second

Individual

1. 67000 Petrol Manual Lucknow Maroon First Individual
2. 37500 Petrol Manual Mangalore Red First Individual

5 73315 Petrol Manual Pune Grey First

Individual

... ... ... ... ... ... ...

...

1. 79000 Petrol Manual Faridabad White Second Individual
2. 90300 Diesel Manual Surat White First

Individual

1. 83000 Petrol Manual Ahmedabad White Second Individual
2. 73000 Petrol Manual Thane Silver First Individual

2058 72000 Diesel Manual Guwahati White First

Individual

Engine Max Power Max Torque Drivetrain

Length \

1. 1198 cc 87 bhp @ 6000 rpm 109 Nm @ 4500 rpm FWD 3990.0
2. 1248 cc 74 bhp @ 4000 rpm 190 Nm @ 2000 rpm FWD 3995.0
3. 1197 cc 79 bhp @ 6000 rpm 112.7619 Nm @ 4000 rpm FWD

3585.0

1. 1197 cc 82 bhp @ 6000 rpm 113 Nm @ 4200 rpm FWD 3995.0

5 1373 cc 91 bhp @ 6000 rpm 130 Nm @ 4000 rpm FWD

4490.0

... ... ... ... ...

...

1. 1197 cc 85 bhp @ 6000 rpm 113 Nm @ 4500 rpm FWD 3775.0
2. 2179 cc 138 bhp @ 3750 rpm 330 Nm @ 1600 rpm FWD 4585.0
3. 814 cc 55 bhp @ 5500 rpm 75 Nm @ 4000 rpm FWD 3495.0
4. 1196 cc 70 bhp @ 6250 rpm 102 Nm @ 4000 rpm FWD

3795.0

2058 1493 cc 70 bhp @ 3600 rpm 195 Nm @ 1400 rpm RWD

3995.0

Width Height Seating Capacity Fuel Tank Capacity

1. 1680.0 1505.0 5.0 35.0
2. 1695.0 1555.0 5.0 42.0
3. 1595.0 1550.0 5.0 35.0
4. 1745.0 1510.0 5.0 37.0

5 1730.0 1485.0 5.0 43.0 ... ... ... ... ...

1. 1680.0 1620.0 5.0 43.0
2. 1890.0 1785.0 7.0 70.0
3. 1550.0 1500.0 5.0 32.0
4. 1680.0 1427.0 5.0 45.0 2058 1745.0 1880.0 7.0 NaN

[1168 rows x 20 columns]

In [16]:

*#print first 10 data* print(df**.**head(10))

Make Model Price Year \

1. Honda Amaze 1.2 VX i-VTEC 505000 2017
2. Maruti Suzuki Swift DZire VDI 450000 2014
3. Hyundai i10 Magna 1.2 Kappa2 220000 2011
4. Toyota Glanza G 799000 2019
5. Toyota Innova 2.4 VX 7 STR [2016-2020] 1950000 2018
6. Maruti Suzuki Ciaz ZXi 675000 2017
7. Mercedes-Benz CLA 200 Petrol Sport 1898999 2015
8. BMW X1 xDrive20d M Sport 2650000 2017
9. Skoda Octavia 1.8 TSI Style Plus AT [2017] 1390000 2017 9 Nissan Terrano XL (D) 575000 2015

Kilometer Fuel Type Transmission Location Color Owner Seller Type \

1. 87150 Petrol Manual Pune Grey First Corporate
2. 75000 Diesel Manual Ludhiana White Second Individual
3. 67000 Petrol Manual Lucknow Maroon First Individual
4. 37500 Petrol Manual Mangalore Red First Individual
5. 69000 Diesel Manual Mumbai Grey First Individual
6. 73315 Petrol Manual Pune Grey First Individual
7. 47000 Petrol Automatic Mumbai White Second Individual
8. 75000 Diesel Automatic Coimbatore White Second Individual
9. 56000 Petrol Automatic Mumbai White First Individual 9 85000 Diesel Manual Mumbai White First Individual

Engine Max Power Max Torque Drivetrain Length \

1. 1198 cc 87 bhp @ 6000 rpm 109 Nm @ 4500 rpm FWD 3990.0
2. 1248 cc 74 bhp @ 4000 rpm 190 Nm @ 2000 rpm FWD 3995.0
3. 1197 cc 79 bhp @ 6000 rpm 112.7619 Nm @ 4000 rpm FWD 3585.0
4. 1197 cc 82 bhp @ 6000 rpm 113 Nm @ 4200 rpm FWD 3995.0
5. 2393 cc 148 bhp @ 3400 rpm 343 Nm @ 1400 rpm RWD 4735.0
6. 1373 cc 91 bhp @ 6000 rpm 130 Nm @ 4000 rpm FWD 4490.0
7. 1991 cc 181 bhp @ 5500 rpm 300 Nm @ 1200 rpm FWD 4630.0
8. 1995 cc 188 bhp @ 4000 rpm 400 Nm @ 1750 rpm AWD 4439.0
9. 1798 cc 177 bhp @ 5100 rpm 250 Nm @ 1250 rpm FWD 4670.0 9 1461 cc 84 bhp @ 3750 rpm 200 Nm @ 1900 rpm FWD 4331.0

Width Height Seating Capacity Fuel Tank Capacity

1. 1680.0 1505.0 5.0 35.0
2. 1695.0 1555.0 5.0 42.0
3. 1595.0 1550.0 5.0 35.0
4. 1745.0 1510.0 5.0 37.0
5. 1830.0 1795.0 7.0 55.0
6. 1730.0 1485.0 5.0 43.0
7. 1777.0 1432.0 5.0 NaN
8. 1821.0 1612.0 5.0 51.0
9. 1814.0 1476.0 5.0 50.0
10. 1822.0 1671.0 5.0 50.0

In [17]:

*#print last 10 data* print(df**.**tail(10))

Make Model Price Year \

1. Mercedes-Benz GLS 400 4MATIC 5950000 2017
2. Hyundai Creta SX Plus 1.6 Petrol 891000 2016
3. Maruti Suzuki Vitara Brezza VXi 925000 2021
4. Hyundai i20 Sportz 1.4 CRDI 409999 2014
5. Maruti Suzuki Ritz Vxi (ABS) BS-IV 245000 2014
6. Mahindra XUV500 W8 [2015-2017] 850000 2016
7. Hyundai Eon D-Lite + 275000 2014
8. Ford Figo Duratec Petrol ZXI 1.2 240000 2013
9. BMW 5-Series 520d Luxury Line [2017-2019] 4290000 2018 2058 Mahindra Bolero Power Plus ZLX [2016-2019] 670000 2017

Kilometer Fuel Type Transmission Location Color Owner \

1. 80000 Petrol Automatic Delhi Black First
2. 47000 Petrol Manual Delhi White First
3. 48000 Petrol Manual Bangalore White First
4. 68000 Diesel Manual Agra Silver First
5. 79000 Petrol Manual Faridabad White Second
6. 90300 Diesel Manual Surat White First
7. 83000 Petrol Manual Ahmedabad White Second
8. 73000 Petrol Manual Thane Silver First
9. 60474 Diesel Automatic Coimbatore White First 2058 72000 Diesel Manual Guwahati White First

Seller Type Engine Max Power Max Torque Drivetrain \

1. Individual 2996 cc 329 bhp @ 5250 rpm 480 Nm @ 1600 rpm AWD
2. Individual 1591 cc 122 bhp @ 6400 rpm 154 Nm @ 4850 rpm FWD
3. Individual 1462 cc 103 bhp @ 6000 rpm 138 Nm @ 4400 rpm FWD
4. Individual 1396 cc 90@4000 220@1750 NaN
5. Individual 1197 cc 85 bhp @ 6000 rpm 113 Nm @ 4500 rpm FWD
6. Individual 2179 cc 138 bhp @ 3750 rpm 330 Nm @ 1600 rpm FWD
7. Individual 814 cc 55 bhp @ 5500 rpm 75 Nm @ 4000 rpm FWD
8. Individual 1196 cc 70 bhp @ 6250 rpm 102 Nm @ 4000 rpm FWD
9. Individual 1995 cc 188 bhp @ 4000 rpm 400 Nm @ 1750 rpm RWD 2058 Individual 1493 cc 70 bhp @ 3600 rpm 195 Nm @ 1400 rpm RWD

Length Width Height Seating Capacity Fuel Tank Capacity

1. 5130.0 1934.0 1850.0 5.0 100.0
2. 4270.0 1780.0 1630.0 5.0 60.0
3. 3995.0 1790.0 1640.0 5.0 48.0
4. 3940.0 1710.0 1505.0 5.0 45.0
5. 3775.0 1680.0 1620.0 5.0 43.0
6. 4585.0 1890.0 1785.0 7.0 70.0
7. 3495.0 1550.0 1500.0 5.0 32.0
8. 3795.0 1680.0 1427.0 5.0 45.0
9. 4936.0 1868.0 1479.0 5.0 65.0
10. 3995.0 1745.0 1880.0 7.0 NaN

In [18]:

*#car from year 2017*

print(df**.**groupby('Year')**.**get\_group(2017))

Make Model Price \

0 Honda Amaze 1.2 VX i-VTEC 505000

5 Maruti Suzuki Ciaz ZXi 675000

1. BMW X1 xDrive20d M Sport 2650000
2. Skoda Octavia 1.8 TSI Style Plus AT [2017] 1390000

10 Hyundai Elite i20 Sportz 1.2 591000 ... ... ... ...

1. Maruti Suzuki Ciaz Alpha 1.4 AT 725000
2. Hyundai Grand i10 Sportz 1.2 Kappa VTVT [2016-2017] 400000

2010 Audi A4 30 TFSI Technology Pack 3000000

2049 Mercedes-Benz GLS 400 4MATIC 5950000 2058 Mahindra Bolero Power Plus ZLX [2016-2019] 670000

Year Kilometer Fuel Type Transmission Location Color Owner \

0 2017 87150 Petrol Manual Pune Grey First

5 2017 73315 Petrol Manual Pune Grey First

1. 2017 75000 Diesel Automatic Coimbatore White Second
2. 2017 56000 Petrol Automatic Mumbai White First

10 2017 20281 Petrol Manual Mumbai Red First ... ... ... ... ... ... ... ...

1. 2017 55000 Petrol Automatic Noida White First
2. 2017 35000 Petrol Manual Kolkata Blue First

2010 2017 42000 Petrol Automatic Pune White First

2049 2017 80000 Petrol Automatic Delhi Black First 2058 2017 72000 Diesel Manual Guwahati White First

Seller Type Engine Max Power Max Torque Drivetrain \

0 Corporate 1198 cc 87 bhp @ 6000 rpm 109 Nm @ 4500 rpm FWD

5 Individual 1373 cc 91 bhp @ 6000 rpm 130 Nm @ 4000 rpm FWD

1. Individual 1995 cc 188 bhp @ 4000 rpm 400 Nm @ 1750 rpm AWD
2. Individual 1798 cc 177 bhp @ 5100 rpm 250 Nm @ 1250 rpm FWD

10 Individual 1197 cc 82 bhp @ 6000 rpm 115 Nm @ 4000 rpm FWD ... ... ... ... ... ...

1. Individual 1373 cc 91 bhp @ 6000 rpm 130 Nm @ 4000 rpm FWD
2. Individual 1197 cc 81 bhp @ 6000 rpm 114 Nm @ 4000 rpm FWD

2010 Individual 1395 cc 148 bhp @ 5000 rpm 250 Nm @ 1500 rpm FWD

2049 Individual 2996 cc 329 bhp @ 5250 rpm 480 Nm @ 1600 rpm AWD

2058 Individual 1493 cc 70 bhp @ 3600 rpm 195 Nm @ 1400 rpm RWD Length Width Height Seating Capacity Fuel Tank Capacity

0 3990.0 1680.0 1505.0 5.0 35.0

5 4490.0 1730.0 1485.0 5.0 43.0

1. 4439.0 1821.0 1612.0 5.0 51.0
2. 4670.0 1814.0 1476.0 5.0 50.0

10 3985.0 1734.0 1505.0 5.0 45.0 ... ... ... ... ... ...

1. 4490.0 1730.0 1485.0 5.0 43.0
2. 3765.0 1660.0 1520.0 5.0 43.0

2010 4726.0 1842.0 1427.0 5.0 54.0

2049 5130.0 1934.0 1850.0 5.0 100.0 2058 3995.0 1745.0 1880.0 7.0 NaN

[262 rows x 20 columns]

In [19]:

*#number of blank data spaces*  df**.**isna()**.**sum()

Out[19]:

Make 0

Model 0

Price 0

Year 0

Kilometer 0

Fuel Type 0

Transmission 0

Location 0

Color 0

Owner 0

Seller Type 0

Engine 80

Max Power 80

Max Torque 80

Drivetrain 136

Length 64

Width 64

Height 64

Seating Capacity 64 Fuel Tank Capacity 113 dtype: int64

In [20]:

*#types used in data* df**.**dtypes

Out[20]:

Make object

Model object

Price int64

Year int64

Kilometer int64

Fuel Type object

Transmission object

Location object

Color object

Owner object

Seller Type object

Engine object

Max Power object

Max Torque object

Drivetrain object

Length float64

Width float64

Height float64

Seating Capacity float64 Fuel Tank Capacity float64 dtype: object

In [21]:

*#location wise information about price* a**=**df**.**groupby('Location')**.**agg({'Price':['sum','min','max','count']}) a

Out[21]: **Price**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | **sum** | **min** | **max** | **count** |
| **Location** |  |  |  |  |
| **Agra** | 14988999 | 220000 | 2425000 | 19 |
| **Ahmedabad** | 105507998 | 275000 | 8500000 | 70 |
| **Allahabad** | 2100000 | 275000 | 750000 | 4 |
| **Ambala Cantt** | 5020000 | 155000 | 725000 | 12 |
| **Amritsar** | 1935000 | 315000 | 725000 | 4 |
| **...** | ... | ... | ... | ... |
| **Valsad** | 580000 | 580000 | 580000 | 1 |
| **Varanasi** | 13414999 | 160000 | 1421000 | 24 |
| **Warangal** | 1545000 | 350000 | 695000 | 3 |
| **Yamunanagar** | 4765000 | 140000 | 1700000 | 6 |
| **Zirakpur** | 9984998 | 295000 | 1750000 | 15 |

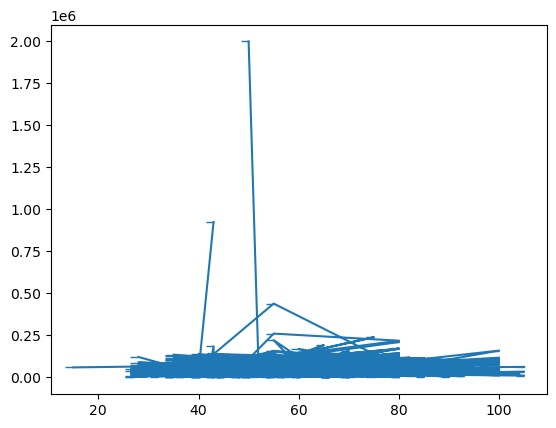
77 rows × 4 columns

In [22]:

*#graph* **import** matplotlib.pyplot **as** plt x**=**df['Fuel Tank Capacity'] y**=**df['Kilometer'] plt**.**plot(x,y,marker**=**0)

Out[22]:

[<matplotlib.lines.Line2D at 0x1e48294dd50>]



In [ ]: