128 Out[5]: Index bike name 1192 1192 price 1192 city kms driven 1192 owner 1192 age 1192 1192 power 1192 brand dtype: int64 by converting datatype we can reduce the memory size In [24]: df['price']=df['price'].astype('float32') df['kms driven']=df['kms driven'].astype('float32') df['age']=df['age'].astype('int8') df['power']=df['power'].astype('float16') df['owner']=df['owner'].astype('category') df['brand']=df['brand'].astype('category') df.memory usage() Out[25]: Index 128 bike name 1192 price 596 city 1533 kms driven 596 281 owner age power 298 brand 825 dtype: int64 df.info() <class 'pandas.core.frame.DataFrame'> RangeIndex: 149 entries, 0 to 148 Data columns (total 8 columns): # Column Non-Null Count Dtype 0 bike name 149 non-null object 1 price 149 non-null float32 2 city 149 non-null category 3 kms driven 149 non-null float32 4 owner 149 non-null category 149 non-null int8 age 149 non-null float16 149 non-null category power brand category dtypes: category(3), float16(1), float32(2), int8(1), object(1) memory usage: 5.5+ KB before changing datatype memory uses ==> 9.4+ KB after changing datatype memory uses ==>5.5+ KB delete the indexing df=df.reset index(drop=True) df.head() bike_name price city kms_driven owner age power brand 0 TVS Star City Plus Dual Tone 110cc 35008.0 Ahmedabad 110.0 **TVS** 17648.0 First Owner 1 Delhi 350.0 Royal Enfield Royal Enfield Classic 350cc inf 11000.0 First Owner 2 Triumph Daytona 675R Delhi 110.0 First Owner 675.0 inf Triumph 3 TVS Apache RTR 180cc 64992.0 Bangalore 16328.0 First Owner 180.0 **TVS** Yamaha FZ S V 2.0 150cc-Ltd. Edition Bangalore 10000.0 First Owner 150.0 Yamaha inf dumping file into mysql server import csv import pymysql as pm mydb=pm.connect(host='localhost',user='root',password='',database='pooja') with open('used bikes.csv') as file: csvfile=csv.reader(file,delimiter=',') all value=[] for i in csvfile: values=(i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7])all_value.append(values) mycursor=mydb.cursor() mycursor.executemany(qr,all value) mydb.commit() getting data from mysql server In [45]: import pandas as pd import pymysql as pm mydb=pm.connect(host='localhost',user='root',password='',database='pooja') sql select query="SELECT * FROM bike" cursor=mydb.cursor() cursor.execute(sql select query) #get all records records=cursor.fetchall() print(cursor.rowcount) list1=[] for row in records: list1.append(row) print(list1) mydb.commit() [('bike_name', 0.0, 'city', 0.0, 'owner', 0, 0.0, 'brand'), ('TVS Star City Plus Dual Tone 1', 35000.0, 'Ahmeda bad', 17654.0, 'First Owner', 3, 110.0, 'TVS'), ('Royal Enfield Classic 350cc', 119900.0, 'Delhi', 11000.0, 'Fi rst Owner', 4, 350.0, 'Royal Enfi'), ('Triumph Daytona 675R', 600000.0, 'Delhi', 110.0, 'First Owner', 8, 675. 0, 'Triumph'), ('TVS Apache RTR 180cc', 65000.0, 'Bangalore', 16329.0, 'First Owner', 4, 180.0, 'TVS'), ('Yamah a FZ S V 2.0 150cc-Ltd. E', 80000.0, 'Bangalore', 10000.0, 'First Owner', 3, 150.0, 'Yamaha'), ('Yamaha FZs 150 cc', 53499.0, 'Delhi', 25000.0, 'First Owner', 6, 150.0, 'Yamaha'), ('Honda CB Hornet 160R ABS DLX', 85000.0, 'Delhi', 8200.0, 'First Owner', 3, 160.0, 'Honda'), ('Hero Splendor Plus Self Alloy ', 45000.0, 'Delhi', 12645. 0, 'First Owner', 3, 100.0, 'Hero'), ('Royal Enfield Thunderbird X 35', 145000.0, 'Bangalore', 9190.0, 'First O wner', 3, 350.0, 'Royal Enfi'), ('Royal Enfield Classic Desert S', 88000.0, 'Delhi', 19000.0, 'Second Owner', 7, 500.0, 'Royal Enfi'), ('Yamaha YZF-R15 2.0 150cc', 72000.0, 'Bangalore', 20000.0, 'First Owner', 7, 150.0, 'Yamaha'), ('Yamaha FZ25 250cc', 95000.0, 'Bangalore', 9665.0, 'First Owner', 4, 250.0, 'Yamaha'), ('Bajaj Puls ar NS200', 78000.0, 'Bangalore', 9900.0, 'First Owner', 4, 200.0, 'Bajaj'), ('Bajaj Discover 100M', 29499.0, 'D elhi', 20000.0, 'First Owner', 8, 100.0, 'Bajaj'), ('Bajaj Discover 125M', 29900.0, 'Delhi', 20000.0, 'First Ow ner', 7, 125.0, 'Bajaj'), ('Bajaj Pulsar NS200 ABS', 90000.0, 'Bangalore', 11574.0, 'First Owner', 3, 200.0, 'B ajaj'), ('Bajaj Pulsar RS200 ABS', 120000.0, 'Bangalore', 23000.0, 'First Owner', 3, 200.0, 'Bajaj'), ('Suzuki Gixxer SF 150cc', 48000.0, 'Mumbai', 24725.0, 'First Owner', 5, 150.0, 'Suzuki'), ('Benelli 302R 300CC', 24000 0.0, 'Mumbai', 15025.0, 'Second Owner', 3, 302.0, 'Benelli'), ('Bajaj Discover 125M', 29900.0, 'Delhi', 20000. 0, 'First Owner', 7, 125.0, 'Bajaj'), ('Bajaj Pulsar RS200 ABS', 120000.0, 'Bangalore', 23000.0, 'First Owner', 3, 200.0, 'Bajaj'), ('Suzuki Gixxer SF 150cc', 48000.0, 'Mumbai', 24725.0, 'First Owner', 5, 150.0, 'Suzuki'), ('Hero Splendor iSmart Plus IBS ', 46500.0, 'Delhi', 3500.0, 'First Owner', 2, 110.0, 'Hero'), ('Royal Enfield Classic Chrome 5', 121700.0, 'Kalyan', 24520.0, 'First Owner', 5, 500.0, 'Royal Enfi'), ('Yamaha FZ V 2.0 150c c', 45000.0, 'Delhi', 23000.0, 'First Owner', 6, 150.0, 'Yamaha'), ('Bajaj Pulsar NS200', 78000.0, 'Bangalore', 9900.0, 'First Owner', 4, 200.0, 'Bajaj'), ('Hero Super Splendor 125cc', 20000.0, 'Ahmedabad', 29305.0, 'First Owner', 16, 125.0, 'Hero'), ('Honda CBF Stunner 125cc', 20800.0, 'Faridabad', 30500.0, 'Second Owner', 7, 125. 0, 'Honda'), ('Bajaj Pulsar 150cc', 50000.0, 'Bangalore', 19000.0, 'First Owner', 8, 150.0, 'Bajaj'), ('Honda X -Blade 160CC ABS', 81200.0, 'Mettur', 9100.0, 'First Owner', 2, 160.0, 'Honda'), ('Bajaj Pulsar NS200', 88000. 0, 'Hyderabad', 21914.0, 'First Owner', 3, 200.0, 'Bajaj'), ('Yamaha YZF-R15 2.0 150cc', 80000.0, 'Kaithal', 20 000.0, 'Second Owner', 4, 150.0, 'Yamaha'), ('Bajaj Avenger 220cc', 40900.0, 'Gurgaon', 15000.0, 'First Owner', 6, 220.0, 'Bajaj'), ('KTM RC 390cc', 180000.0, 'Pune', 17700.0, 'First Owner', 4, 390.0, 'KTM'), ('Honda CB Uni corn 150cc', 40000.0, 'Noida', 30000.0, 'First Owner', 8, 150.0, 'Honda'), ('KTM Duke 200cc', 70000.0, 'Nashi k', 100000.0, 'Second Owner', 8, 200.0, 'KTM'), ('Royal Enfield Classic 350cc', 98800.0, 'Kochi', 39000.0, 'Fir st Owner', 5, 350.0, 'Royal Enfi'), ('Honda CBR 150R 150cc', 65000.0, 'Allahabad', 43000.0, 'First Owner', 6, 1 50.0, 'Honda'), ('Royal Enfield Thunderbird X 50', 190500.0, 'Samastipur', 4550.0, 'First Owner', 2, 500.0, 'Ro yal Enfi'), ('KTM RC 200cc ABS', 179000.0, 'Bangalore', 3400.0, 'First Owner', 2, 200.0, 'KTM'), ('Royal Enfiel d Thunderbird 350c', 70000.0, 'Nadiad', 45000.0, 'First Owner', 8, 350.0, 'Royal Enfi'), ('Bajaj Avenger 220c c', 45000.0, 'Hyderabad', 36100.0, 'First Owner', 6, 220.0, 'Bajaj'), ('Royal Enfield Bullet Electra 3', 78000. 0, 'Lucknow', 8500.0, 'First Owner', 13, 350.0, 'Royal Enfi'), ('Bajaj Avenger Street 220 ABS', 110000.0, 'Bang alore', 2550.0, 'First Owner', 2, 220.0, 'Bajaj'), ('Royal Enfield Classic 350cc', 85000.0, 'Delhi', 18000.0, 'First Owner', 6, 350.0, 'Royal Enfi'), ('Bajaj Pulsar NS200', 38000.0, 'Delhi', 35000.0, 'First Owner', 9, 20 0.0, 'Bajaj'), ('Royal Enfield Thunderbird 350c', 55346.0, 'Noida', 38000.0, 'First Owner', 10, 350.0, 'Royal E nfi'), ('Mahindra Centuro NXT 110cc', 28000.0, 'Jaipur', 45000.0, 'First Owner', 2, 110.0, 'Mahindra'), ('Hero Hunk 150cc', 37000.0, 'Mumbai', 10800.0, 'First Owner', 8, 150.0, 'Hero'), ('Suzuki Gixxer SF Fi 150cc SP A', 9 7000.0, 'Delhi', 4400.0, 'First Owner', 3, 150.0, 'Suzuki'), ('Yamaha FZ 150cc', 40000.0, 'Karnal', 357000.0, 'First Owner', 8, 150.0, 'Yamaha'), ('Royal Enfield‎ Bullet 350cc', 90000.0, 'Delhi', 15300.0, 'First Owner', 7, 350.0, 'Royal Enfi'), ('TVS Apache RTR 160cc', 60000.0, 'Mumbai', 30000.0, 'First Owner', 5, 160.0, 'TVS'), ('Honda CB Shine 125cc', 21900.0, 'Gorakhpur', 30000.0, 'Second Owner', 7, 125.0, 'Honda'), ('Bajaj Avenger 220 cc', 40000.0, 'Ahmedabad', 64000.0, 'First Owner', 7, 220.0, 'Bajaj'), ('Benelli TNT 600i ABS', 475000.0, 'Mumb ai', 11500.0, 'Second Owner', 3, 600.0, 'Benelli'), ('Honda Dream Yuga 110cc', 34500.0, 'Ahmedabad', 17056.0, 'First Owner', 5, 110.0, 'Honda'), ('Yamaha SZ 150cc', 25000.0, 'Vidisha', 172082.0, 'First Owner', 9, 150.0, 'Yamaha'), ('Suzuki Gixxer 150cc', 30200.0, 'Bangalore', 45000.0, 'First Owner', 7, 150.0, 'Suzuki'), ('Bajaj A venger Cruise 220', 65000.0, 'Hosur', 35000.0, 'First Owner', 5, 220.0, 'Bajaj'), ('Bajaj Pulsar 150cc', 25000. 0, 'Mumbai', 38000.0, 'First Owner', 9, 150.0, 'Bajaj'), ('Kawasaki Z900', 935000.0, 'Bagalkot', 2500.0, 'First Owner', 2, 900.0, 'Kawasaki'), ('Royal Enfield Bullet Electra 3', 107100.0, 'Delhi', 15438.0, 'Second Owner', 3, 350.0, 'Royal Enfi'), ('Bajaj Pulsar 220cc', 80000.0, 'Delhi', 6000.0, 'First Owner', 3, 220.0, 'Bajaj'), ('Royal Enfield Thunderbird 350c', 88000.0, 'Delhi', 19000.0, 'First Owner', 5, 350.0, 'Royal Enfi'), ('KTM Duk e 200cc', 94700.0, 'Baripara', 32700.0, 'First Owner', 4, 200.0, 'KTM'), ('Hero CD Deluxe 100cc', 12200.0, 'Agr a', 46643.0, 'First Owner', 14, 100.0, 'Hero'), ('Royal Enfield Classic 350cc', 106000.0, 'Delhi', 19000.0, 'Fi rst Owner', 6, 350.0, 'Royal Enfi'), ('Bajaj Pulsar 220cc', 29500.0, 'Hyderabad', 40700.0, 'First Owner', 12, 2 20.0, 'Bajaj'), ('Kawasaki Ninja 650cc', 290000.0, 'Dharwad', 11350.0, 'First Owner', 7, 650.0, 'Kawasaki'), ('Royal Enfield Thunderbird 350c', 110000.0, 'Delhi', 1600.0, 'First Owner', 6, 350.0, 'Royal Enfi'), ('Bajaj P latina 125cc', 27000.0, 'Vadodara', 44410.0, 'First Owner', 10, 125.0, 'Bajaj'), ('Royal Enfield Thunderbird 35 Oc', 65000.0, 'Jalandhar', 9800.0, 'First Owner', 11, 350.0, 'Royal Enfi'), ('Royal Enfield Thunderbird X 35', 150000.0, 'Bangalore', 15000.0, 'First Owner', 3, 350.0, 'Royal Enfi'), ('Hero Karizma ZMR 223cc', 55786.0, 'Su rat', 68000.0, 'Second Owner', 7, 223.0, 'Hero'), ('Bajaj Pulsar 180cc', 45000.0, 'Bangalore', 17757.0, 'First Owner', 8, 180.0, 'Bajaj'), ('Yamaha FZ25 ABS 250cc', 146000.0, 'Chennai', 3900.0, 'First Owner', 2, 250.0, 'Ya maha'), ('Royal Enfield Thunderbird 350c', 115000.0, 'Bangalore', 23700.0, 'First Owner', 4, 350.0, 'Royal Enf i'), ('Bajaj CT 100 100cc', 30000.0, 'Noida', 8250.0, 'First Owner', 3, 100.0, 'Bajaj'), ('Bajaj Pulsar RS200 A BS', 93100.0, 'Mumbai', 10000.0, 'First Owner', 5, 200.0, 'Bajaj'), ('Yamaha YZF-R15 2.0 150cc', 82000.0, 'Mumb ai', 4300.0, 'Second Owner', 3, 150.0, 'Yamaha'), ('Royal Enfield Interceptor 650c', 260000.0, 'Navi Mumbai', 3 800.0, 'First Owner', 2, 650.0, 'Royal Enfi'), ('Honda CB Shine 125cc', 38000.0, 'Bangalore', 33000.0, 'First O wner', 7, 125.0, 'Honda'), ('KTM Duke 250cc', 130000.0, 'Gandhidham', 17500.0, 'Second Owner', 4, 250.0, 'KT M'), ('Royal Enfield Himalayan 410cc', 118000.0, 'Gurgaon', 19000.0, 'First Owner', 4, 410.0, 'Royal Enfi'), ('Bajaj Pulsar 135LS', 14700.0, 'Delhi', 10000.0, 'First Owner', 11, 135.0, 'Bajaj'), ('Royal Enfield Thunderbi rd 350c', 85000.0, 'Chennai', 54000.0, 'First Owner', 6, 350.0, 'Royal Enfi'), ('Bajaj Pulsar 220F', 40000.0, 'Mumbai', 27000.0, 'First Owner', 7, 220.0, 'Bajaj'), ('Yamaha FZ16 150cc', 50000.0, 'Bangalore', 19000.0, 'Fir st Owner', 6, 150.0, 'Yamaha'), ('Royal Enfield Thunderbird 350c', 71800.0, 'Mumbai', 43500.0, 'First Owner', 7, 350.0, 'Royal Enfi'), ('Royal Enfield Thunderbird 350c', 71800.0, 'Mumbai', 43500.0, 'First Owner', 7, 350. 0, 'Royal Enfi'), ('Bajaj Pulsar NS200', 75000.0, 'Bangalore', 11575.0, 'First Owner', 4, 200.0, 'Bajaj'), ('Du cati Scrambler 1100 Special', 1350000.0, 'Mumbai', 190.0, 'First Owner', 1, 1100.0, 'Ducati'), ('Triumph Street Triple 765', 790000.0, 'Mumbai', 19000.0, 'First Owner', 3, 765.0, 'Triumph'), ('Bajaj V15 150cc', 47000.0, 'Ba ngalore', 8600.0, 'First Owner', 4, 150.0, 'Bajaj'), ('Bajaj Pulsar 150cc', 60000.0, 'Pune', 2000.0, 'First Own er', 2, 150.0, 'Bajaj'), ('Suzuki Gixxer Fi 150cc ABS', 96700.0, 'Vadodara', 5100.0, 'First Owner', 1, 150.0, 'Suzuki'), ('Hero Splendor plus 100cc', 31900.0, 'Delhi', 9000.0, 'First Owner', 5, 100.0, 'Hero'), ('Bajaj Pul sar 150cc', 35000.0, 'Visakhapatnam', 44480.0, 'First Owner', 13, 150.0, 'Bajaj'), ('KTM Duke 390cc', 240000.0, 'Bangalore', 11000.0, 'First Owner', 3, 390.0, 'KTM'), ('Honda CBR 250R', 68000.0, 'Delhi', 16000.0, 'First Own er', 7, 250.0, 'Honda'), ('Bajaj Pulsar RS200', 80000.0, 'Bangalore', 26691.0, 'First Owner', 5, 200.0, 'Baja j'), ('Royal Enfield Classic 350cc', 135000.0, 'Bangalore', 45000.0, 'First Owner', 5, 350.0, 'Royal Enfie'), ('Bajaj Pulsar 150cc', 11100.0, 'Pune', 12000.0, 'Third Owner', 12, 150.0, 'Bajaj'), ('Benelli TNT 600i', 48000 0.0, 'Mumbai', 14200.0, 'First Owner', 4, 600.0, 'Benelli'), ('Suzuki Gixxer 150cc SP Rear Di', 65000.0, 'Thris sur', 41000.0, 'First Owner', 3, 150.0, 'Suzuki'), ('Yamaha FZ S V 2.0 150cc', 60000.0, 'Bangalore', 15000.0, 'First Owner', 5, 150.0, 'Yamaha'), ('Honda CBR 150R 150cc', 80000.0, 'Bangalore', 12314.0, 'First Owner', 4, 1 50.0, 'Honda'), ('Hero Splendor Plus Self Alloy ', 46000.0, 'Delhi', 11760.0, 'First Owner', 3, 100.0, 'Hero'), ('Royal Enfield Classic 500cc', 95000.0, 'Bangalore', 22000.0, 'First Owner', 11, 500.0, 'Royal Enfi'), ('Hyosu ng GT650R', 400000.0, 'Delhi', 1800.0, 'First Owner', 4, 650.0, 'Hyosung'), ('Bajaj V15 150cc', 55000.0, 'Banga lore', 4400.0, 'First Owner', 4, 150.0, 'Bajaj'), ('Yamaha YZF-R15 S 150cc', 63000.0, 'Delhi', 16000.0, 'First Owner', 5, 150.0, 'Yamaha'), ('Bajaj V15 150cc', 51000.0, 'Faridabad', 9000.0, 'First Owner', 4, 150.0, 'Baja j'), ('TVS Apache RTR 160 4V Disc', 69900.0, 'Delhi', 8700.0, 'First Owner', 3, 160.0, 'TVS'), ('Bajaj Pulsar R S200 ABS', 125000.0, 'Gorakhpur', 1342.0, 'First Owner', 4, 200.0, 'Bajaj'), ('Benelli TNT 300', 210000.0, 'Kol kata', 21000.0, 'First Owner', 6, 300.0, 'Benelli'), ('Honda CB ShineSP 125cc', 35900.0, 'Delhi', 19000.0, 'Fir st Owner', 5, 125.0, 'Honda'), ('Honda CBR 250R', 67000.0, 'Delhi', 13000.0, 'First Owner', 9, 250.0, 'Honda'), ('Hero Passion Pro 100cc', 29339.0, 'Ernakulam', 12771.0, 'First Owner', 4, 100.0, 'Hero'), ('Hero Splendor Plu s 100cc', 19695.0, 'Ernakulam', 51576.0, 'First Owner', 6, 100.0, 'Hero'), ('Hero Splendor iSmart Plus IBS ', 4 8672.0, 'Ernakulam', 608.0, 'First Owner', 2, 110.0, 'Hero'), ('Honda CBR 150R 150CC', 40000.0, 'Mumbai', 1368 0.0, 'First Owner', 9, 150.0, 'Honda'), ('Yamaha YZF R6 600cc', 500000.0, 'Bangalore', 285.0, 'First Owner', 5, 600.0, 'Yamaha'), ('Ducati 1299 Superleggera', 800000.0, 'Mumbai', 3.0, 'First Owner', 3, 1299.0, 'Ducati'), ('Royal Enfield Himalayan 410cc', 110000.0, 'Bangalore', 24676.0, 'First Owner', 5, 410.0, 'Royal Enfi'), ('Roy al Enfield Classic 350cc', 92500.0, 'Delhi', 11000.0, 'First Owner', 6, 350.0, 'Royal Enfi'), ('Bajaj Pulsar NS 200', 57000.0, 'Bangalore', 28948.0, 'First Owner', 5, 200.0, 'Bajaj'), ('Royal Enfield Electra 350cc', 72500. 0, 'Delhi', 10000.0, 'First Owner', 10, 350.0, 'Royal Enfi'), ('KTM Duke 200cc', 68000.0, 'Delhi', 16000.0, 'Fi rst Owner', 9, 200.0, 'KTM'), ('TVS Phoenix Disc 125cc', 21500.0, 'Barasat', 10500.0, 'First Owner', 5, 125.0, 'TVS'), ('TVS Apache RTR 160cc', 40000.0, 'Delhi', 20000.0, 'First Owner', 6, 160.0, 'TVS'), ('Royal Enfield Cl assic 350cc', 91000.0, 'Delhi', 18000.0, 'First Owner', 5, 350.0, 'Royal Enfi'), ('Harley-Davidson Street 750', 300000.0, 'Ghaziabad', 3500.0, 'First Owner', 6, 750.0, 'Harley-Dav'), ('Suzuki Gixxer SF 150cc', 47000.0, 'Jai pur', 70000.0, 'First Owner', 6, 150.0, 'Suzuki'), ('Suzuki Gixxer 150cc', 53000.0, 'Bangalore', 18158.0, 'Firs t Owner', 6, 150.0, 'Suzuki'), ('Suzuki Gixxer 150cc', 51000.0, 'Bangalore', 39140.0, 'First Owner', 5, 150.0, 'Suzuki'), ('Bajaj Pulsar 220F', 48000.0, 'Bangalore', 27776.0, 'First Owner', 8, 220.0, 'Bajaj'), ('Bajaj Puls ar 220cc', 55000.0, 'Bangalore', 32734.0, 'First Owner', 6, 220.0, 'Bajaj'), ('Royal Enfield Himalayan 410cc', 173300.0, 'Vadodara', 14000.0, 'First Owner', 2, 410.0, 'Royal Enfi'), ('Royal Enfield Bullet Electra 3', 7700 0.0, 'Delhi', 13000.0, 'First Owner', 8, 350.0, 'Royal Enfi'), ('Bajaj Pulsar NS200', 115000.0, 'Bangalore', 50 'First Owner', 2, 200.0, 'Bajaj'), ('Bajaj Discover 150cc', 36000.0, 'Hyderabad', 39500.0, 'First Owner', 7, 150.0, 'Bajaj'), ('Bajaj Avenger Street 220', 72000.0, 'Hyderabad', 29500.0, 'First Owner', 4, 220.0, 'Baja j'), ('Royal Enfield Standard 350cc', 115000.0, 'Hyderabad', 14900.0, 'First Owner', 3, 350.0, 'Royal Enfi'), ('Honda CB Shine 125cc Disc', 65000.0, 'Mumbai', 2000.0, 'First Owner', 3, 125.0, 'Honda'), ('Honda CB Unicorn ABS 150cc', 99000.0, 'Mumbai', 4000.0, 'First Owner', 2, 150.0, 'Honda'), ('Yamaha YZF-R15 2.0 150cc', 68500.0, 'Delhi', 68500.0, 'Second Owner', 7, 150.0, 'Yamaha'), ('Yamaha YZF-R15 V3 150cc', 140000.0, 'Delhi', 2473.0, 'First Owner', 2, 150.0, 'Yamaha')] index the columns after data is inserted. df1=pd.DataFrame(list1,columns=['bike name','price','city','kms driven','owner','age','power','brand']) Out[46]: bike_name city kms_driven owner power brand bike_name 0.0 0.0 0.0 brand owner 35000.0 Ahmedabad 1 TVS Star City Plus Dual Tone 1 17654.0 First Owner 110.0 **TVS** 2 Royal Enfi Royal Enfield Classic 350cc 119900.0 Delhi 11000.0 First Owner 350.0 600000.0 3 Triumph Daytona 675R Delhi 110.0 First Owner 675.0 Triumph 4 TVS Apache RTR 180cc 65000.0 Bangalore 16329.0 First Owner 180.0 **TVS** Hyderabad 350.0 Royal Enfi 145 Royal Enfield Standard 350cc 115000.0 14900.0 First Owner 146 Honda CB Shine 125cc Disc 65000.0 Mumbai 2000.0 First Owner 125.0 Honda 147 Honda CB Unicorn ABS 150cc 99000.0 Mumbai 4000.0 First Owner 150.0 Honda 148 Yamaha YZF-R15 2.0 150cc 68500.0 Delhi 68500.0 Second Owner 150.0 Yamaha Yamaha YZF-R15 V3 150cc 140000.0 149 Delhi 2473.0 First Owner 150.0 Yamaha 150 rows × 8 columns

import pandas as pd

df.head()

df.info()

7 brand

1

2

3

In [4]:

df=pd.read csv("used bikes.csv")

TVS Star City Plus Dual Tone 110cc

4 Yamaha FZ S V 2.0 150cc-Ltd. Edition

bike name

Royal Enfield Classic 350cc 119900.0

TVS Apache RTR 180cc

<class 'pandas.core.frame.DataFrame'> RangeIndex: 149 entries, 0 to 148 Data columns (total 8 columns):

Column Non-Null Count Dtype

price 149 non-null float6-city 149 non-null object kms driven 149 non-null float64 owner 149 non-null object

6 power 149 non-null float64 7 brand 149 non-null object

149 non-null

149 non-null float64

0 bike name 149 non-null

dtypes: float64(4), object(4)

memory usage: 9.4+ KB

df.memory usage()

Triumph Daytona 675R 600000.0

price

65000.0

80000.0

object float64

object

35000.0 Ahmedabad

Delhi

Delhi

Bangalore

Bangalore

city kms_driven

17654.0

11000.0

brand

Royal Enfield

Triumph

Yamaha

TVS

TVS

owner age power

3.0

4.0

8.0

4.0

3.0

110.0

350.0

675.0

180.0

150.0

First Owner

First Owner

110.0 First Owner

16329.0 First Owner

10000.0 First Owner