```
#Started by importing modules
import pandas as pd
lines list copy=[]
#Opening the csv file using file open function in python
with open("vehicle info.csv") as target file:
    #lines list/stores lines after reading them from the csv file
    lines=target file.readlines()
    #looping through the list of lines getting each line
    for line in lines:
        lines list copy.append(line)
        print(line)
"vehicle name", "price", "img link", "brand name", "power name"
"Bently Continental GT", "10000", "cars/Bently Continental
GT.png","Ferrari","Petrol"
"Ferrari F8 Tributo Spider", "10000", "cars/errari F8
Tributo Spider.jpg", "Ferrari", "Petrol"
"fbbbd847-03a8-46bd-87e8-5772c9", "10000", "cars/fbbbd847-03a8-46bd-
87e8-5772c93c3733.png", "Ferrari", "Petrol"
"GMC Hummer EV", "10000", "cars/GMC Hummer EV.png", "Ferrari", "Petrol"
"Mercedes-Benz A-Class", "10000", "cars/Mercedes-Benz A-
Class.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG C 43", "10000", "cars/Mercedes-Benz AMG C
43.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG C 63", "10000", "cars/Mercedes-Benz AMG C
63.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG GT 53","10000","cars/Mercedes-Benz AMG GT
53.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG GT 63","10000","cars/Mercedes-Benz AMG GT
63.png", "Ferrari", "Petrol"
```

```
"Mercedes-Benz AMG SL 43", "10000", "cars/Mercedes-Benz AMG SL
43.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG SL 55", "10000", "cars/Mercedes-Benz AMG SL
55.png", "Ferrari", "Petrol"
"Mercedes-Benz AMG SL 63","10000","cars/Mercedes-Benz AMG SL
63.png", "Ferrari", "Petrol"
"Mercedes-Benz C-Class", "10000", "cars/Mercedes-Benz C-
Class.png","Ferrari","Petrol"
"Mercedes-Benz EQE 500", "10000", "cars/Mercedes-Benz EQE
500.png", "Ferrari", "Petrol"
"Mercedes-Benz S-Class", "10000", "cars/Mercedes-Benz S-
Class.png", "Ferrari", "Petrol"
"Mercedes-BenzMaybach S 580", "10000", "cars/Mercedes-BenzMaybach S
580.png", "Ferrari", "Petrol"
"Merceds-Benz EQE 350+","10000","cars/Merceds-Benz EQE
350+.png", "Ferrari", "Petrol"
"Audi A3","10000","cars/Audi A3.png","Audi","Petrol"
"Audi A4","10000","cars/Audi A4.png","Audi","Petrol"
"Audi R8","10000","cars/Audi R8.png","Audi","Petrol"
"Audi RS 3", "10000", "cars/Audi RS 3.png", "Audi", "Petrol"
"Audi RS e-tron GT", "10000", "cars/Audi RS e-tron
GT.png","Audi","Petrol"
"Audi S6","10000","cars/Audi S6.png","Audi","Petrol"
"Audi S7", "10000", "cars/Audi S7.png", "Audi", "Petrol"
"Audi S8","10000","cars/Audi S8.png","Audi","Petrol"
"Audi TT RS", "10000", "cars/Audi TT RS.png", "Audi", "Petrol"
"Audi TT", "10000", "cars/Audi TT.png", "Audi", "Petrol"
"Audi TTS", "10000", "cars/Audi TTS.png", "Audi", "Petrol"
"Bentley Bentayga", "10000", "cars/Bentley
Bentayga.png", "Bentley", "Petrol"
```

```
"Bentley Flying Spur Hybrid", "10000", "cars/Bentley Flying Spur
Hybrid.png", "Bentley", "Petrol"
"Chevrolet Camaro", "10000", "cars/Chevrolet
Camaro.png", "Chevrolet", "Petrol"
"Chevrolet Corvette Z06", "10000", "cars/Chevrolet Corvette
Z06.jpg", "Chevrolet", "Petrol"
"Dodge Challenger SRT Demon", "10000", "cars/Dodge Challenger SRT
Demon.jpg","Dodge","Petrol"
"Dodge Challenger SRT", "10000", "cars/Dodge Challenger
SRT.jpg","Dodge","Petrol"
"Dodge Challenger", "10000", "cars/Dodge
Challenger.jpg", "Dodge", "Petrol"
"Dodge Challenger", "10000", "cars/Dodge
Challenger.png", "Dodge", "Petrol"
"Dodge Charger", "10000", "cars/Dodge Charger.png", "Dodge", "Petrol"
"Dodge viper", "10000", "cars/Dodge viper.jpg", "Dodge", "Petrol"
"Ferrari 812", "10000", "cars/Ferrari 812.jpg", "Ferrari", "Petrol"
"Ferrari SF90 Stradale", "10000", "cars/Ferrari SF90
Stradale.png", "Ferrari", "Petrol"
"Ferrari 296 GTB","10000","cars/Ferrari 296
GTB.png", "Ferrari", "Petrol"
"Ferrari 296GTB", "10000", "cars/Ferrari 296GTB.jpg", "Ferrari", "Petrol"
"Ferrari California T","10000","cars/Ferrari California
T.jpg","Ferrari","Petrol"
"Ferrari Daytona SP3","10000","cars/Ferrari Daytona
SP3.jpg", "Ferrari", "Petrol"
"Ferrari F12berlinetta","10000","cars/Ferrari
F12berlinetta.jpg", "Ferrari", "Petrol"
"Ferrari F430", "10000", "cars/Ferrari F430.jpg", "Ferrari", "Petrol"
"Ferrari F8 Spider","10000","cars/Ferrari F8
Spider.png", "Ferrari", "Petrol"
"Ferrari F8 Tributo", "10000", "cars/Ferrari F8
Tributo.png", "Ferrari", "Petrol"
```

```
"Ferrari LaFerrari","10000","cars/Ferrari
LaFerrari.jpg", "Ferrari", "Petrol"
"Ferrari Portofino","10000","cars/Ferrari
Portofino.jpg", "Ferrari", "Petrol"
"Ferrari Roma","10000","cars/Ferrari Roma.jpg","Ferrari","Petrol"
"Ferrari SF90 Stradale", "10000", "cars/Ferrari SF90
Stradale.jpg", "Ferrari", "Petrol"
"Jaguar E-PACE", "10000", "cars/Jaguar E-PACE.png", "Jaguar", "Petrol"
"jaguar F-Type R","10000","cars/jaguar F-Type R.jpg","Jaguar","Petrol"
"Jeep Gladiator", "10000", "cars/Jeep Gladiator.png", "Jeep", "Petrol"
"Jeep Grand Cherokee", "10000", "cars/Jeep Grand
Cherokee.png","Jeep","Petrol"
"Jeep Wrangler unlimited 4xe", "10000", "cars/Jeep Wrangler unlimited
4xe.png","Jeep","Petrol"
"Jeep Wrangler Unlimited","10000","cars/Jeep Wrangler
Unlimited.png","Jeep","Petrol"
"Jeep Wrangler", "10000", "cars/Jeep Wrangler.png", "Jeep", "Petrol"
"Lamborghini Aventador SVJ", "10000", "cars/Lamborghini Aventador
SVJ.png", "Lamborghini", "Petrol"
"Lamborghini Urus", "10000", "cars/Lamborghini
Urus.png", "Lamborghini", "Petrol"
"lotus Emira", "10000", "cars/lotus Emira.png", "lotus", "Petrol"
"Lotus Emira2", "10000", "cars/Lotus Emira2.png", "lotus", "Petrol"
"lucid Air", "10000", "cars/lucid Air.png", "lucid", "Petrol"
"Maserati Gran Turismo", "10000", "cars/Maserati Gran
Turismo.png","Maserati","Petrol"
"Maserati MC20", "10000", "cars/Maserati MC20.png", "Maserati", "Petrol"
"Mazda MX-5 Miata RF", "10000", "cars/Mazda MX-5 Miata
RF.png","mazda","Petrol"
"mazda MX-5 Miata","10000","cars/mazda MX-5
Miata.png","mazda","Petrol"
```

```
"McLaren 720S", "10000", "cars/McLaren 720S.png", "McLaren", "Petrol"
"McLaren 765LT","10000","cars/McLaren 765LT.png","McLaren","Petrol"
"McLaren GT","10000","cars/McLaren GT.png","McLaren","Petrol"
"Mini Aceman", "10000", "cars/Mini Aceman.jpg", "MINI", "Petrol"
"MINI Clubman", "10000", "cars/MINI Clubman.png", "MINI", "Petrol"
"MINI Convertible","10000","cars/MINI Convertible.png","MINI","Petrol"
"Mini Cooper Clubman JCW", "10000", "cars/Mini Cooper Clubman
JCW.jpg","MINI","Petrol"
"Mini Cooper Coupe S","10000","cars/Mini Cooper Coupe
S.jpg","MINI","Petrol"
"Mini Cooper Coupe", "10000", "cars/Mini Cooper
Coupe.jpg","MINI","Petrol"
"Mini Cooper JCW", "10000", "cars/Mini Cooper JCW.jpg", "MINI", "Petrol"
"Mini Cooper Roadster", "10000", "cars/Mini Cooper
Roadster.jpg", "MINI", "Petrol"
"MINI Countryman", "10000", "cars/MINI Countryman.png", "MINI", "Petrol"
"MINI Hardtop", "10000", "cars/MINI Hardtop.png", "MINI", "Petrol"
"MINI SE Hardtop", "10000", "cars/MINI SE Hardtop.png", "MINI", "Petrol"
"Nissan GT-R", "10000", "cars/Nissan GT-R.png", "Nissan", "Petrol"
"Nissan Z", "10000", "cars/Nissan Z.png", "Nissan", "Petrol"
"Porsche 718 Boxster", "10000", "cars/Porsche 718
Boxster.png", "Porsche", "Petrol"
"Porsche 718 Cayman", "10000", "cars/Porsche 718
Cayman.png","Porsche","Petrol"
"Porsche 718 Spyder", "10000", "cars/Porsche 718
Spyder.png", "Porsche", "Petrol"
"Porsche 911", "10000", "cars/Porsche 911.png", "Porsche", "Petrol"
"Porsche Cayenne", "10000", "cars/Porsche
Cayenne.png", "Porsche", "Petrol"
```

```
"porsche GT3 RS", "10000", "cars/porsche GT3 RS.webp", "Porsche", "Petrol"
"Porsche Macan", "10000", "cars/Porsche Macan.png", "Porsche", "Petrol"
"Porsche Panamera Sport Turismo", "10000", "cars/Porsche Panamera Sport
Turismo.png", "Porsche", "Petrol"
"Porsche Taycan", "10000", "cars/Porsche Taycan.png", "Porsche", "Petrol"
"Subaru Ascent", "10000", "cars/Subaru Ascent.png", "Subaru", "Petrol"
"Subaru BRZ", "10000", "cars/Subaru BRZ.png", "Subaru", "Petrol"
"Subaru Crosstrek Hybrid", "10000", "cars/Subaru Crosstrek
Hybrid.png", "Subaru", "Petrol"
"Subaru Crosstrek","10000","cars/Subaru
Crosstrek.png", "Subaru", "Petrol"
"Subaru Forester", "10000", "cars/Subaru Forester.png", "Subaru", "Petrol"
"Subaru Impreza", "10000", "cars/Subaru Impreza.png", "Subaru", "Petrol"
"Subaru Legacy","10000","cars/Subaru Legacy.png","Subaru","Petrol"
"Subaru Outback", "10000", "cars/Subaru Outback.png", "Subaru", "Petrol"
"Subaru Solterra","10000","cars/Subaru Solterra.png","Subaru","Petrol"
"Toyota Supra", "10000", "cars/Toyota Supra.png", "Toyota", "Petrol"
"Volkswagen Arteon", "10000", "cars/Volkswagen
Arteon.png","Volkswagen","Petrol"
"Volkswagen Atlas", "10000", "cars/Volkswagen
Atlas.png", "Volkswagen", "Petrol"
"Volkswagen Golf R","10000","cars/Volkswagen Golf
R.png", "Volkswagen", "Petrol"
"Volkswagen ID", "10000", "cars/Volkswagen
ID.4.png", "Volkswagen", "Petrol"
"Volkswagen Taos", "10000", "cars/Volkswagen
Taos.png", "Volkswagen", "Petrol"
"Volkswagen Tiguan", "10000", "cars/Volkswagen
Tiguan.png", "Volkswagen", "Petrol"
"Buick Envista", "10000", "cars/Buick Envista.png", "Buick", "Petrol"
```

```
"Cadillac Escalade ESV", "10000", "cars/Cadillac Escalade
ESV.png", "Cadillac", "Petrol"
"Ford Bronco", "10000", "cars/Ford Bronco.png", "Ford", "Petrol"
"Ford E-Transit","10000","cars/Ford E-Transit.png","Ford","Petrol"
"Ford F-450","10000","cars/Ford F-450.png","Ford","Petrol"
"Ford Mustang Mach-E", "10000", "cars/Ford Mustang Mach-
E.png", "Ford", "Petrol"
"Ford Mustang", "10000", "cars/Ford Mustang.png", "Ford", "Petrol"
"Ford Ranger", "10000", "cars/Ford Ranger.png", "Ford", "Petrol"
"Ford Transist-250","10000","cars/Ford Transist-
250.png", "Ford", "Petrol"
"Ram 1500 TRX","10000","cars/Ram 1500 TRX.png","Ram","Petrol"
"Ram 2500","10000","cars/Ram 2500.png","Ram","Petrol"
"Rolls-Royce Cullinan", "10000", "cars/Rolls-Royce Cullinan.png", "Rolls-
Royce", "Petrol"
"Rolls-Royce Ghost", "10000", "cars/Rolls-Royce Ghost.png", "Rolls-
Royce", "Petrol"
"Rolls-royce Phantom", "10000", "cars/Rolls-royce Phantom.png", "Rolls-
Royce", "Petrol"
"BMW 840", "10000", "cars/BMW 840.png", "BMW", "Petrol"
"BMW M2", "10000", "cars/BMW M2.png", "BMW", "Petrol"
"BMW M240", "10000", "cars/BMW M240.png", "BMW", "Petrol"
"BMW M8", "10000", "cars/BMW M8.jpeg", "BMW", "Petrol"
"BMW XM", "10000", "cars/BMW XM.png", "BMW", "Petrol"
"BMW Z4","10000","cars/BMW Z4.jpg","BMW","Petrol"
"BMW Z4","10000","cars/BMW Z4.png","BMW","Petrol"
#Now lets remove the " and replace them with nothing " "
newer lines list=[]
for line in lines list copy:
    #replacing " with nothing
```

```
newerline=line.replace('"',"")
    newer lines list.append(newerline)
    print(newerline)
vehicle name, price, img link, brand name, power name
Bently Continental GT,10000, cars/Bently Continental
GT.png,Ferrari,Petrol
Ferrari F8 Tributo Spider, 10000, cars/errari F8
Tributo_Spider.jpg,Ferrari,Petrol
fbbbd847-03a8-46bd-87e8-5772c9,10000,cars/fbbbd847-03a8-46bd-87e8-
5772c93c3733.png,Ferrari,Petrol
GMC Hummer EV,10000,cars/GMC Hummer EV.png,Ferrari,Petrol
Mercedes-Benz A-Class, 10000, cars/Mercedes-Benz A-
Class.png, Ferrari, Petrol
Mercedes-Benz AMG C 43,10000, cars/Mercedes-Benz AMG C
43.png, Ferrari, Petrol
Mercedes-Benz AMG C 63,10000,cars/Mercedes-Benz AMG C
63.png, Ferrari, Petrol
Mercedes-Benz AMG GT 53,10000,cars/Mercedes-Benz AMG GT
53.png, Ferrari, Petrol
Mercedes-Benz AMG GT 63,10000,cars/Mercedes-Benz AMG GT
63.png,Ferrari,Petrol
Mercedes-Benz AMG SL 43,10000, cars/Mercedes-Benz AMG SL
43.png, Ferrari, Petrol
Mercedes-Benz AMG SL 55,10000,cars/Mercedes-Benz AMG SL
55.png, Ferrari, Petrol
Mercedes-Benz AMG SL 63,10000,cars/Mercedes-Benz AMG SL
63.png, Ferrari, Petrol
Mercedes-Benz C-Class, 10000, cars/Mercedes-Benz C-
Class.png,Ferrari,Petrol
Mercedes-Benz EQE 500,10000, cars/Mercedes-Benz EQE
500.png, Ferrari, Petrol
Mercedes-Benz S-Class, 10000, cars/Mercedes-Benz S-
Class.png, Ferrari, Petrol
```

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Mercedes-BenzMaybach S 580,10000,cars/Mercedes-BenzMaybach S
580.png, Ferrari, Petrol
Merceds-Benz EQE 350+,10000,cars/Merceds-Benz EQE
350+.png,Ferrari,Petrol
Audi A3,10000,cars/Audi A3.png,Audi,Petrol
Audi A4,10000,cars/Audi A4.png,Audi,Petrol
Audi R8,10000,cars/Audi R8.png,Audi,Petrol
Audi RS 3,10000,cars/Audi RS 3.png,Audi,Petrol
Audi RS e-tron GT,10000,cars/Audi RS e-tron GT.png,Audi,Petrol
Audi S6,10000,cars/Audi S6.png,Audi,Petrol
Audi S7,10000,cars/Audi S7.png,Audi,Petrol
Audi S8,10000,cars/Audi S8.png,Audi,Petrol
Audi TT RS,10000,cars/Audi TT RS.png,Audi,Petrol
Audi TT,10000,cars/Audi TT.png,Audi,Petrol
Audi TTS, 10000, cars/Audi TTS.png, Audi, Petrol
Bentley Bentayga, 10000, cars/Bentley Bentayga.png, Bentley, Petrol
Bentley Flying Spur Hybrid, 10000, cars/Bentley Flying Spur
Hybrid.png,Bentley,Petrol
Chevrolet Camaro, 10000, cars/Chevrolet Camaro.png, Chevrolet, Petrol
Chevrolet Corvette Z06,10000, cars/Chevrolet Corvette
Z06.jpg,Chevrolet,Petrol
Dodge Challenger SRT Demon, 10000, cars/Dodge Challenger SRT
Demon.jpg,Dodge,Petrol
Dodge Challenger SRT, 10000, cars/Dodge Challenger SRT.jpg, Dodge, Petrol
Dodge Challenger, 10000, cars/Dodge Challenger.jpg, Dodge, Petrol
Dodge Challenger, 10000, cars/Dodge Challenger.png, Dodge, Petrol
Dodge Charger, 10000, cars/Dodge Charger.png, Dodge, Petrol
Dodge viper, 10000, cars/Dodge viper.jpg, Dodge, Petrol
```

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Ferrari 812,10000,cars/Ferrari 812.jpg,Ferrari,Petrol
Ferrari SF90 Stradale, 10000, cars/Ferrari SF90
Stradale.png, Ferrari, Petrol
Ferrari 296 GTB,10000,cars/Ferrari 296 GTB.png,Ferrari,Petrol
Ferrari 296GTB, 10000, cars/Ferrari 296GTB.jpg, Ferrari, Petrol
Ferrari California T,10000,cars/Ferrari California
T.jpg, Ferrari, Petrol
Ferrari Daytona SP3,10000,cars/Ferrari Daytona SP3.jpg,Ferrari,Petrol
Ferrari F12berlinetta,10000,cars/Ferrari
F12berlinetta.jpg,Ferrari,Petrol
Ferrari F430,10000,cars/Ferrari F430.jpg,Ferrari,Petrol
Ferrari F8 Spider, 10000, cars/Ferrari F8 Spider.png, Ferrari, Petrol
Ferrari F8 Tributo, 10000, cars/Ferrari F8 Tributo.png, Ferrari, Petrol
Ferrari LaFerrari,10000,cars/Ferrari LaFerrari.jpg,Ferrari,Petrol
Ferrari Portofino, 10000, cars/Ferrari Portofino.jpg, Ferrari, Petrol
Ferrari Roma, 10000, cars/Ferrari Roma.jpg, Ferrari, Petrol
Ferrari SF90 Stradale, 10000, cars/Ferrari SF90
Stradale.jpg, Ferrari, Petrol
Jaguar E-PACE,10000,cars/Jaguar E-PACE.png,Jaguar,Petrol
jaguar F-Type R,10000,cars/jaguar F-Type R.jpg,Jaguar,Petrol
Jeep Gladiator,10000,cars/Jeep Gladiator.png,Jeep,Petrol
Jeep Grand Cherokee, 10000, cars/Jeep Grand Cherokee.png, Jeep, Petrol
Jeep Wrangler unlimited 4xe,10000,cars/Jeep Wrangler unlimited
4xe.png,Jeep,Petrol
Jeep Wrangler Unlimited, 10000, cars/Jeep Wrangler
Unlimited.png,Jeep,Petrol
Jeep Wrangler,10000,cars/Jeep Wrangler.png,Jeep,Petrol
Lamborghini Aventador SVJ,10000,cars/Lamborghini Aventador
```

SVJ.png,Lamborghini,Petrol

```
Lamborghini Urus, 10000, cars/Lamborghini Urus.png, Lamborghini, Petrol
lotus Emira, 10000, cars/lotus Emira.png, lotus, Petrol
Lotus Emira2,10000,cars/Lotus Emira2.png,lotus,Petrol
lucid Air,10000,cars/lucid Air.png,lucid,Petrol
Maserati Gran Turismo, 10000, cars/Maserati Gran
Turismo.png, Maserati, Petrol
Maserati MC20,10000,cars/Maserati MC20.png,Maserati,Petrol
Mazda MX-5 Miata RF,10000, cars/Mazda MX-5 Miata RF.png, mazda, Petrol
mazda MX-5 Miata,10000,cars/mazda MX-5 Miata.png,mazda,Petrol
McLaren 720S, 10000, cars/McLaren 720S.png, McLaren, Petrol
McLaren 765LT,10000,cars/McLaren 765LT.png,McLaren,Petrol
McLaren GT, 10000, cars/McLaren GT.png, McLaren, Petrol
Mini Aceman, 10000, cars/Mini Aceman.jpg, MINI, Petrol
MINI Clubman, 10000, cars/MINI Clubman.png, MINI, Petrol
MINI Convertible, 10000, cars/MINI Convertible.png, MINI, Petrol
Mini Cooper Clubman JCW, 10000, cars/Mini Cooper Clubman
JCW.jpg,MINI,Petrol
Mini Cooper Coupe S,10000, cars/Mini Cooper Coupe S.jpg, MINI, Petrol
Mini Cooper Coupe, 10000, cars/Mini Cooper Coupe.jpg, MINI, Petrol
Mini Cooper JCW, 10000, cars/Mini Cooper JCW.jpg, MINI, Petrol
Mini Cooper Roadster, 10000, cars/Mini Cooper Roadster.jpg, MINI, Petrol
MINI Countryman, 10000, cars/MINI Countryman.png, MINI, Petrol
MINI Hardtop, 10000, cars/MINI Hardtop.png, MINI, Petrol
MINI SE Hardtop, 10000, cars/MINI SE Hardtop.png, MINI, Petrol
Nissan GT-R,10000,cars/Nissan GT-R.png,Nissan,Petrol
Nissan Z,10000,cars/Nissan Z.png,Nissan,Petrol
Porsche 718 Boxster, 10000, cars/Porsche 718 Boxster.png, Porsche, Petrol
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```
Porsche 718 Cayman, 10000, cars/Porsche 718 Cayman.png, Porsche, Petrol
Porsche 718 Spyder, 10000, cars/Porsche 718 Spyder.png, Porsche, Petrol
Porsche 911,10000,cars/Porsche 911.png,Porsche,Petrol
Porsche Cayenne, 10000, cars/Porsche Cayenne.png, Porsche, Petrol
porsche GT3 RS,10000,cars/porsche GT3 RS.webp,Porsche,Petrol
Porsche Macan, 10000, cars/Porsche Macan.png, Porsche, Petrol
Porsche Panamera Sport Turismo, 10000, cars/Porsche Panamera Sport
Turismo.png, Porsche, Petrol
Porsche Taycan, 10000, cars/Porsche Taycan.png, Porsche, Petrol
Subaru Ascent, 10000, cars/Subaru Ascent.png, Subaru, Petrol
Subaru BRZ,10000,cars/Subaru BRZ.png,Subaru,Petrol
Subaru Crosstrek Hybrid, 10000, cars/Subaru Crosstrek
Hybrid.png, Subaru, Petrol
Subaru Crosstrek, 10000, cars/Subaru Crosstrek.png, Subaru, Petrol
Subaru Forester, 10000, cars/Subaru Forester.png, Subaru, Petrol
Subaru Impreza, 10000, cars/Subaru Impreza.png, Subaru, Petrol
Subaru Legacy, 10000, cars/Subaru Legacy.png, Subaru, Petrol
Subaru Outback, 10000, cars/Subaru Outback.png, Subaru, Petrol
Subaru Solterra, 10000, cars/Subaru Solterra.png, Subaru, Petrol
Toyota Supra, 10000, cars/Toyota Supra.png, Toyota, Petrol
Volkswagen Arteon, 10000, cars/Volkswagen Arteon.png, Volkswagen, Petrol
Volkswagen Atlas, 10000, cars/Volkswagen Atlas.png, Volkswagen, Petrol
Volkswagen Golf R,10000, cars/Volkswagen Golf R.png, Volkswagen, Petrol
Volkswagen ID, 10000, cars/Volkswagen ID.4.png, Volkswagen, Petrol
Volkswagen Taos, 10000, cars/Volkswagen Taos.png, Volkswagen, Petrol
Volkswagen Tiguan, 10000, cars/Volkswagen Tiguan, png, Volkswagen, Petrol
Buick Envista, 10000, cars/Buick Envista.png, Buick, Petrol
```

```
Cadillac Escalade ESV, 10000, cars/Cadillac Escalade
ESV.png, Cadillac, Petrol
Ford Bronco, 10000, cars/Ford Bronco.png, Ford, Petrol
Ford E-Transit, 10000, cars/Ford E-Transit.png, Ford, Petrol
Ford F-450,10000,cars/Ford F-450.png,Ford,Petrol
Ford Mustang Mach-E,10000, cars/Ford Mustang Mach-E.png, Ford, Petrol
Ford Mustang, 10000, cars/Ford Mustang.png, Ford, Petrol
Ford Ranger, 10000, cars/Ford Ranger.png, Ford, Petrol
Ford Transist-250,10000,cars/Ford Transist-250.png,Ford,Petrol
Ram 1500 TRX,10000, cars/Ram 1500 TRX.png, Ram, Petrol
Ram 2500,10000,cars/Ram 2500.png,Ram,Petrol
Rolls-Royce Cullinan, 10000, cars/Rolls-Royce Cullinan.png, Rolls-
Royce, Petrol
Rolls-Royce Ghost, 10000, cars/Rolls-Royce Ghost.png, Rolls-Royce, Petrol
Rolls-royce Phantom, 10000, cars/Rolls-royce Phantom.png, Rolls-
Royce, Petrol
BMW 840,10000,cars/BMW 840.png,BMW,Petrol
BMW M2,10000,cars/BMW M2.png,BMW,Petrol
BMW M240,10000,cars/BMW M240.png,BMW,Petrol
BMW M8,10000, cars/BMW M8.jpeg, BMW, Petrol
BMW XM, 10000, cars/BMW XM.png, BMW, Petrol
BMW Z4,10000,cars/BMW Z4.jpg,BMW,Petrol
BMW Z4,10000,cars/BMW Z4.png,BMW,Petrol
for line in newer lines list:
#saving the cleaner lines into another csv file named
"cleaner vehicles data.csv"
     with open("cleaner vehicles data.csv", 'a') as cleaner file:
```

```
cleaner file.write(f"{line}\n")
            cleaner file.close()
#Using pandas library , i opened the new csv file for the next part of
the task
df=pd.read csv("cleaner vehicles data.csv")
df.head()
                     vehicle name
                                   price \
0
            Bently Continental GT
                                   10000
        Ferrari F8 Tributo Spider
1
                                   10000
2
   fbbbd847-03a8-46bd-87e8-5772c9
                                   10000
3
                    GMC Hummer EV 10000
4
            Mercedes-Benz A-Class
                                   10000
                                         img link brand name power name
                                                                 Petrol
0
                  cars/Bently Continental GT.png
                                                     Ferrari
1
               cars/errari F8 Tributo Spider.jpg
                                                     Ferrari
                                                                 Petrol
   cars/fbbbd847-03a8-46bd-87e8-5772c93c3733.png
                                                     Ferrari
                                                                 Petrol
3
                          cars/GMC Hummer EV.png
                                                     Ferrari
                                                                 Petrol
                  cars/Mercedes-Benz A-Class.png
                                                     Ferrari
                                                                 Petrol
#Droping the exixting brand name and generating a new one from the
vehicle name column
df=df.drop(['brand name'],axis=1)
df.to csv("cleaner vehicles data.csv",index=False)
#checking whether the column was droped successfully
df.head()
                     vehicle name
                                   price \
0
            Bently Continental GT
                                   10000
1
        Ferrari F8 Tributo Spider
                                   10000
2
  fbbbd847-03a8-46bd-87e8-5772c9
                                   10000
3
                    GMC Hummer EV
                                   10000
4
            Mercedes-Benz A-Class
                                   10000
                                         img_link power_name
```

```
0
                  cars/Bently Continental GT.png
                                                      Petrol
               cars/errari F8 Tributo Spider.jpg
1
                                                       Petrol
2
   cars/fbbbd847-03a8-46bd-87e8-5772c93c3733.png
                                                      Petrol
3
                           cars/GMC Hummer EV.png
                                                       Petrol
4
                  cars/Mercedes-Benz A-Class.png
                                                      Petrol
#Creating a new brand column from the the vehicle name column
df['Brand']=df['vehicle_name'].astype(str).apply(lambda x:x.split(" ")
[0]
#Saving the new data in an excel file
df.to excel("Vehicles data.xlsx",index=False)
#reading a few lines of the excel file
new df=pd.read excel("Vehicles data.xlsx")
new df.head(10)
                     vehicle name
                                    price \
            Bently Continental GT
0
                                    10000
1
        Ferrari F8 Tributo Spider
                                    10000
2
   fbbbd847-03a8-46bd-87e8-5772c9
                                    10000
3
                    GMC Hummer EV
                                    10000
4
            Mercedes-Benz A-Class
                                    10000
5
           Mercedes-Benz AMG C 43
                                    10000
6
           Mercedes-Benz AMG C 63
                                    10000
7
          Mercedes-Benz AMG GT 53
                                    10000
8
          Mercedes-Benz AMG GT 63
                                    10000
9
          Mercedes-Benz AMG SL 43
                                    10000
                                         img link power name \
0
                  cars/Bently Continental GT.png
                                                       Petrol
1
               cars/errari F8 Tributo Spider.jpg
                                                       Petrol
2
   cars/fbbbd847-03a8-46bd-87e8-5772c93c3733.png
                                                      Petrol
3
                           cars/GMC Hummer EV.png
                                                      Petrol
4
                  cars/Mercedes-Benz A-Class.png
                                                       Petrol
5
                 cars/Mercedes-Benz AMG C 43.png
                                                       Petrol
6
                 cars/Mercedes-Benz AMG C 63.png
                                                       Petrol
7
                cars/Mercedes-Benz AMG GT 53.png
                                                       Petrol
8
                cars/Mercedes-Benz AMG GT 63.png
                                                      Petrol
9
                cars/Mercedes-Benz AMG SL 43.png
                                                      Petrol
                             Brand
0
                            Bently
1
                           Ferrari
2
   fbbbd847-03a8-46bd-87e8-5772c9
                               GMC
```

	4 5	Mercedes-Benz Mercedes-Benz Mercedes-Benz
	7	Mercedes-Benz
Mercedes-Benz	8	Mercedes-Benz
	9	Mercedes-Benz