

CAR SHOWROOM MANAGEMENT

– Powered By Tata Motors

In This Program You Can:

- Add A Car Record
- Delete A Car Record
- Modify A Car Record In Database
- View The Total Stocks
- Search For A Car Record
- Get The Information About A Car

HIREARCHY OF RECORDS

- CHECK PASSWORD

- IF TRUE:**

- ADD A RECORD
- DELETE A RECORD
- MODIFY A RECORD
- SEARCH A RECORD
- VIEW TOTAL RECORDS

- IF FALSE:**

- 3 CHANCES GIVEN
- PROGRAM TERMINATED

#Code Starts From Here...

#Designing Elements & Password

```
print()

a=("Car Showroom Management")

print(a.center(120," "))

b=("Developed by Om")

print(b.center(228," "))

c=("=====")

print(c.center(120," "))

d=("This is a PASSWORD PROTECTED Programme")

print(d.center(120," "))

pw=("ADMIN@0000")

for i in range(3):

    if i==0:

        password=str(input("Enter The Password:"))

    if i==1:

        password=str(input("Enter The Password(2 attempts left):"))

    if i==2:

        password=str(input("Enter The Password(1 attempt left):"))

    if password==pw:

        print()
```

#Adding An Entry

```
add=("Add Entry = add")  
print(add.center(120," "))
```

#Deleting A Record

```
delete=("Delete Entry = delete")  
print(delete.center(120," "))
```

#Viewing The Total Record

```
stocks=("View Total Stocks = view")  
print(stocks.center(120," "))
```

#Modifying a Record

```
modify=("To Modify = modify")  
print(modify.center(120," "))
```

#Searching a Record

```
search=("To Search = search")  
print(search.center(120," "))
```

#To View Information About A Specific Car

```
information=("TO View The Information = info")  
print(information.center(120," "))
```

#For Exiting The Program

```
Exit=("To Exit The Program = quit")  
print(Exit.center(120," "))  
gap=("=====")  
print(gap.center(120," "))
```

#Functions

#Function to add the record

```
def add():  
  
    print("Add in the format of (Model No., 'Car Name', 'Colour', 'No. Of  
    Pieces Available')")  
  
    a=str(input("Enter a list"))  
  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'a',newline='')  
  
    fh.write(a)  
  
    fh.write("\n")  
  
    fh.close()  
  
    input("Press any key to move forward")
```

#Function to view the record

```
def stockyard():  
  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'r')  
  
    z=fh.readlines()  
  
    for i in z:  
  
        print(i)  
  
    fh.close()  
  
    input("Press any key to move forward")
```

#Function to search a record

```
def search():  
    z=int(input("Enter the car to view its stock in the stockyard;"))  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'r')  
    x=fh.readlines()  
    b=x.pop(z)  
    print(b)  
    fh.close()  
    input("Press any key to move forward")
```

#Function to delete a record

```
def delete():  
    y=int(input("Enter the last digit of the model no."))  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'r')  
    z=fh.readlines()  
    z.pop(y)  
    fh.close()  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'w')  
    for i in z:  
        fh.write(i)  
    fh.close()  
    input("Press any key to move forward")
```

#Function to modify the record

```
def modify():  
    y=int(input("Enter the last digit of the model no."))  
    q=str(input("Enter the modified record."))  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'r')  
    z=fh.readlines()  
    z.pop(y)  
    fh.close()  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'w')  
    for i in range(y):  
        fh.write(z[i])  
    fh.close()  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'a',newline='')  
    fh.write(q)  
    fh.write('\n')  
    fh.close()  
    fh=open("D:\\#OP67\\codename ()\\abcdef.txt",'a')  
    for i in range(y,35):  
        fh.write(z[i])  
    fh.close()  
    input("Press any key to move forward")
```

```
def info():
```

```
    x=input("To get the info enter the car name:_")
```

```
    a=x.lower()
```

```
    if a=='tiago':
```

```
        print("Price Range -----> ₹5.44lakh ---> ₹7.90lakh","\n","ARAI  
Mileage -----> 26.49km/kg","\n","City Mileage ----->  
23.0km/kg","\n","Secondary Fuel Type ----->  
Petrol","\n","Fuel type -----> CNG","\n","Engine  
Displacement(cc) -----> 1199","\n","No. of Cylinder ----->  
3","\n","Max Power(bhp@rpm) ----->  
72bhp@6000rpm","\n","Max Torque(nm@rpm) ----->  
95nm@3500rpm","\n","Seating Capacity ----->  
5","\n","Transmission Type -----> Manual","\n","Fuel Tank  
Capacity -----> 60.0","\n","Body Type ----->  
Hatchback","\n","Ground clearance Unladen -----> 168")
```

```
        input("Press any key to move forward")
```

```
    if a=='tigor':
```

```
        print("Price Range -----> ₹6.10lakh ---> ₹8.84lakh","\n","ARAI  
Mileage -----> 26.49km/kg","\n","City Mileage ----->  
26.93km/kg","\n","Boot Space (Litres) -----> 205","\n","Fuel  
type -----> CNG","\n","Engine Displacement(cc) ----->  
1199","\n","No. of Cylinder -----> 3","\n","Max  
Power(bhp@rpm) -----> 72.40bhp@6000rpm","\n","Max  
Torque(nm@rpm) -----> 95nm@3500rpm","\n","Seating  
Capacity -----> 5","\n","Transmission Type ----->  
Manual","\n","Fuel Tank Capacity -----> 60.0","\n","Body  
Type -----> Sedan","\n","Ground clearance Unladen ----->  
170")
```

```
        input("Press any key to move forward")
```


if a=='punch':

```
print("Price Range -----> ₹6.00lakh ---> ₹9.54lakh","\n","ARAI  
Mileage -----> 18.82km/kg","\n","City Mileage ----->  
14.42km/kg","\n","Boot Space (Litres) -----> 366","\n","Fuel  
type -----> PETROL","\n","Engine Displacement(cc) ----->  
1199","\n","No. of Cylinder -----> 3","\n","Max  
Power(bhp@rpm) -----> 84.48bhp@6000rpm","\n","Max  
Torque(nm@rpm) -----> 113nm@3300+/-rpm","\n","Seating  
Capacity -----> 5","\n","Transmission Type ----->  
Automatic","\n","Fuel Tank Capacity -----> 37.0","\n","Body  
Type -----> SUV","\n","Ground clearance Unladen ----->  
187")
```

```
input("Press any key to move forward")
```

if a=='nexon':

```
print("Price Range -----> ₹7.70lakh ---> ₹14.18  
lakh","\n","ARAI Mileage -----> 22.07 kmpl","\n","City  
Mileage -----> 18.5 kmpl","\n","Body Type ----->  
SUV","\n","Fuel type -----> Diesel","\n","Engine  
Displacement(cc) -----> 1497","\n","No. of Cylinder ----->  
4","\n","Max Power(bhp@rpm) ----->  
108.67bhp@4000rpm","\n","Max Torque(nm@rpm) ----->  
260nm@1500-2750rpm","\n","Seating Capacity ----->  
5","\n","Transmission Type -----> Automatic","\n","Fuel Tank  
Capacity -----> 44.0","\n","Boot Space ----->  
350","\n","Ground clearance Unladen -----> 210")
```

```
input("Press any key to move forward")
```

if a=='harrier':

```
print("Price Range -----> ₹14.80lakh ---> ₹22.25  
lakh","\n","ARAI Mileage -----> 14.6 kmpl","\n","City Mileage  
-----> 11.50 kmpl","\n","Body Type -----> SUV","\n","Fuel
```

```

type -----> Diesel","\n","Engine Displacement(cc) ----->
1956","\n","No. of Cylinder -----> 4","\n","Max
Power(bhp@rpm) -----> 167.67bhp@3750rpm","\n","Max
Torque(nm@rpm) -----> 350nm@1750-
2000rpm","\n","Seating Capacity -----> 5","\n","Transmission
Type -----> Automatic","\n","Fuel Tank Capacity ----->
50.0","\n","Boot Space -----> 425","\n","Ground clearance
Unladen -----> 205")

```

```

input("Press any key to move forward")

```

```

if a=='safari':

```

```

print("Price Range -----> ₹15.45lakh ---> ₹23.76
lakh","\n","ARAI Mileage -----> 14.08 kmpl","\n","City
Mileage -----> 14.0 kmpl","\n","Body Type ----->
SUV","\n","Fuel type -----> Diesel","\n","Engine
Displacement(cc) -----> 1956","\n","No. of Cylinder ----->
4","\n","Max Power(bhp@rpm) ----->
167.67bhp@3750rpm","\n","Max Torque(nm@rpm) ----->
350nm@1750-2000rpm","\n","Seating Capacity ----->
6,7","\n","Transmission Type -----> Automatic","\n","Fuel
Tank Capacity -----> 50.0","\n","Boot Space ----->
73","\n","Ground clearance Unladen -----> 205")

```

```

input("Press any key to move forward")

```

#Function Call

```

while True:

```

```

    a = input('Enter the Function:_ ')

```

```

    if a == 'add':

```

```

        add()

```

```

    if a == 'search':

```

```
        search()
    if a == 'view':
        stockyard()
    if a == 'delete':
        delete()
    if a == 'modify':
        modify()
    if a == 'info':
        info()
    if a == 'clear':
        clear()
    if a == 'quit':
        print("You have chosen to quit the program.." )
        break
    else:
        print("Enter the next function")
else:
    print("Wrong Password")
print("You Have Exceeded The Password Limit")
```

CHECK PASSWORD:

```
>>>
===== RESTART: C:\Users\STUDENT\OneDrive\Desktop\comp proj\test_001(txt).py =====

                                Car Showroom Management

                                Developed by Om & Jay

                                =====
                                This is a PASSWORD PROTECTED Programme
Enter The Password:ENTERING WRONG PASSWORD..1
Wrong Password
Enter The Password(2 attempts left):ENTERING WRONG PASSWORD..2
Wrong Password
Enter The Password(1 attempt left):ADMIN@0000

=====

                                Add Entry = add
                                Delete Entry = delete
                                View Total Stocks = view
                                To Modify = modify
                                To Search = search
                                TO View The Information = info
                                TO Delete The Database = clear
                                To Exit The Program = quit
                                =====

Enter the Function: _ |
```

ADD A RECORD:

```
                                Add Entry = add
                                Delete Entry = delete
                                View Total Stocks = view
                                To Modify = modify
                                To Search = search
                                TO View The Information = info
                                TO Delete The Database = clear
                                To Exit The Program = quit
                                =====

Enter the Function: _ add
Add in the format of (Model No., 'Car Name', 'Colour', 'No. Of Pieces Available')
Enter a list(36, "MERCEDES BENZ", "MIDNIGHT BLACK", "4")
(36, "MERCEDES BENZ", "MIDNIGHT BLACK", "4") is added to database
Press any key to move forward |
```

DELETE A RECORD:

```
=====
Add Entry = add
Delete Entry = delete
View Total Stocks = view
To Modify = modify
To Search = search
TO View The Information = info
TO Delete The Database = clear
To Exit The Program = quit
=====

Enter the Function: _delete
Enter the last digit of the model no.36
(36,'MERCEDES BENZ','MIDNIGHT BLACK','5')
is deleted from database
Press any key to move forward|
```

MODIFY A RECORD:

```
=====
Add Entry = add
Delete Entry = delete
View Total Stocks = view
To Modify = modify
To Search = search
TO View The Information = info
TO Delete The Database = clear
To Exit The Program = quit
=====

Enter the Function: _modify
Enter the last digit of the model no.15
Enter the modified record.(15,'PUNCH','FLAME RED','1')
(15,'PUNCH','EARTHY BEIGE','1')
Modifying TO.. (15,'PUNCH','FLAME RED','1')
Press any key to move forward|
```

VIEWING THE STOCKS:

```

Add Entry = add
Delete Entry = delete
View Total Stocks = view
To Modify = modify
To Search = search
TO View The Information = info
TO Delete The Database = clear
To Exit The Program = quit
=====

```

```

Enter the Function: view
('Model No','Name','Colour','No. of cars')

```

```

(1,'TIAGO','DAYTONA GREY','4')
(2,'TIAGO','MIDNIGHT PLUM','4')
(3,'TIAGO','ARIZONA BLUE','3')
(4,'TIAGO','PURE SILVER','2')
(5,'TIAGO','FLAME RED','5')
(6,'TIGOR','MAGNETIC RED','3')
(7,'TIGOR','ARIZONA BLUE','5')
(8,'TIGOR','OPAL WHITE','2')
(9,'TIGOR','DEEP RED','7')
(10,'TIGOR','MIDNIGHT PLUM','2')
(11,'PUNCH','FOLIAGE GREEN','5')

```

```

(12,'PUNCH','ORCUS WHITE','8')
(13,'PUNCH','DAYTONA GREY','4')
(14,'PUNCH','EARTHY BEIGE','10')
(15,'PUNCH','FLAME RED','1')
(16,'NEXON','CALGARY WHITE','3')
(17,'NEXON','FLAME RED','4')
(18,'NEXON','DAYTONA GREY','3')
(19,'NEXON','PURE SILVER','3')
(20,'NEXON','TECTONIC BLUE','5')
(21,'NEXON','FOLIAGE GREEN','9')
(22,'NEXON','GRASSLAND BEIGE','05')
(23,'HARRIER','TROPICAL MIST','4')
(24,'HARRIER','OBEREAN BLACK','8')
(25,'HARRIER','ORCUS WHITE','20')
(26,'HARRIER','CALYPSO WHITE','6')

```

```

(27,'HARRIER','GRASSLAND BEIGE','9')
(28,'SAFARI','STARLIGHT','5')
(29,'SAFARI','BLACK GOLD','4')
(30,'SAFARI','TROPICAL MIST','8')
(31,'SAFARI','DAYTONA GREY','3')
(32,'SAFARI','ORCUS WHITE','5')
(33,'SAFARI','WHITE GOLD','7')
(34,'SAFARI','DAYTONA GREY','5')
(35,'NEXON','GRASSLAND BEIGE','5')

```

```

Press any key to move forward

```

SEARCHING A RECORD:

```

                Add Entry = add
                Delete Entry = delete
                View Total Stocks = view
                To Modify = modify
                To Search = search
            TO View The Information = info
            TO Delete The Database = clear
            To Exit The Program = quit
            =====
Enter the Function: _search
Enter the car to view its stock in the stockyard:16
(16,'NEXON','CALGARY WHITE','3')

Press any key to move forward |
```

QUITTING FROM THE PROGRAM:

```

                Add Entry = add
                Delete Entry = delete
                View Total Stocks = view
                To Modify = modify
                To Search = search
            TO View The Information = info
            TO Delete The Database = clear
            To Exit The Program = quit
            =====
Enter the Function: _quit
You have chosen to quit the program..
Program Terminated...
>>> |
```