BHUBANESWAR



SESSION 2022-2023

SHOWROOM DATA MANAGEMENT

UNDER THE CENTRAL BOARD OF SECONDARY EDUCATION FOR A.I.S.S.C.E. IN COMPUTER SCIENCE

GUIDED BY: SUBMITTED BY:

MR. G.K TODKAR JAYPRAKASH SAHU

DEPARTMENT OF COMPUTER SC. AISSCE NO\_\_\_\_\_\_\_\_\_\_\_\_\_

**SAINIK SCHOOL BHUBANESWAR CLASS : 12th "B"**









**DEPARTMENT OF COMPUTER SCIENCE**

This is to certify that the piece of work entitled **"SHOWROOM DATA MANAGEMENT SYSTEM"** is being submitted by **CDT. JAY PRAKASH SAHU**  for the partial fulfillment of class- XII , Computer Science of CBSE Board is a bonafied piece of work carried out under my supervision and guidance in Sainik School Bhubaneswar during the session 2022-23.

To the best of my knowledge and belief he bears a good moral character.

**MR.G.K.TODKAR**

**INTERNAL EXAMINER EXTERNAL EXAMINER**

**EXAMINER NO. \_\_\_\_\_\_\_\_\_\_\_ EXAMINER NO. \_\_\_\_\_\_\_\_\_\_\_**

**DEPARTMENT OF COMPUTER SC.**

**SAINIK SCHOOL BHUBANESWAR**





The completion of this project was possible mainly due to valuable guidance rendered by my project guide MR.G.K.TODKAR. I express my profound sense of gratitude to him. I would like to extend my sincere thanks for his constant encouragement for this project work. I could have never accomplished this project work without his kind support and cooperation.

I thank the Principal, Sainik School Bhubaneswar, Odisha for supplying laboratory facilities for this project. I would also thank my friends for their constant help , support and encouragement at every phase of this project work when I needed them the most.

**GUIDED BY : SUBMITTED BY:**

**MR.G.K. TODKAR JAY PRAKASH SAHU**

**DEPARTMENT OF COMPUTER SC. AISSCE NO.........................**

**SAINIK SCHOOL BHUBANESWAR CLASS: 12THB**

**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**



#Code Starts From Here...

#Designing Elements & Password

print()

a=("Car Showroom Management")

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

b=("Developed by Jayprakash")

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:

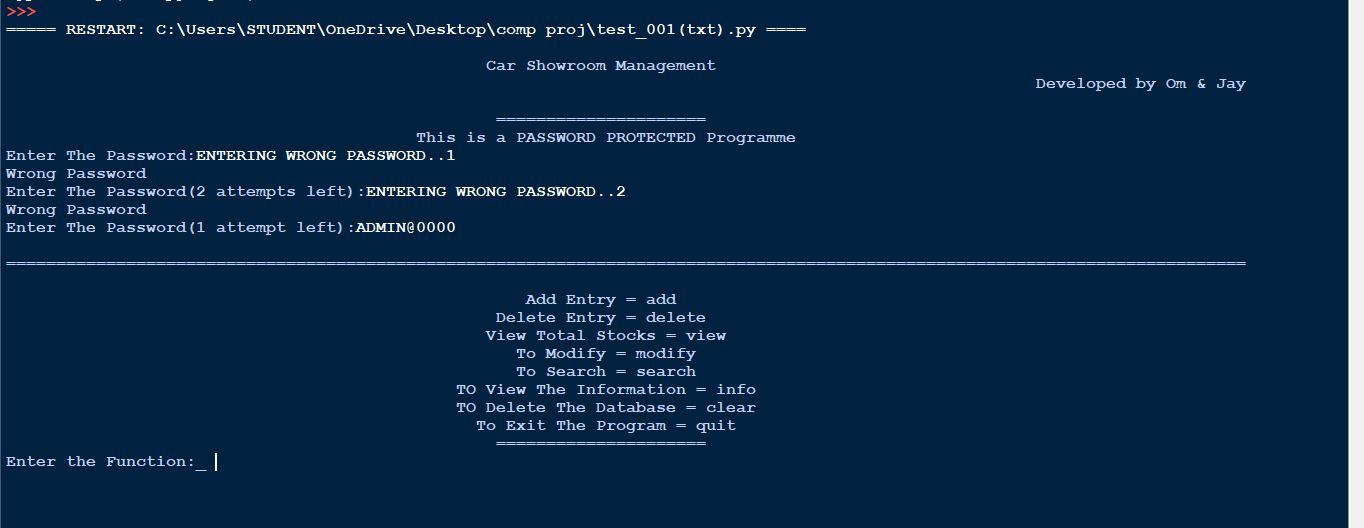
print("Enter the next function")

else:

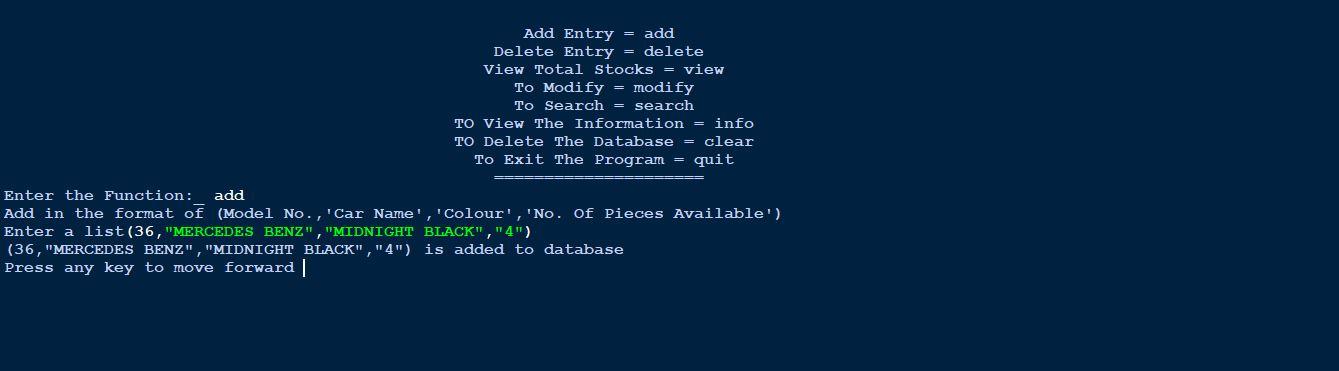
print("Wrong Password")

print("You Have Exceeded The Password Limit")

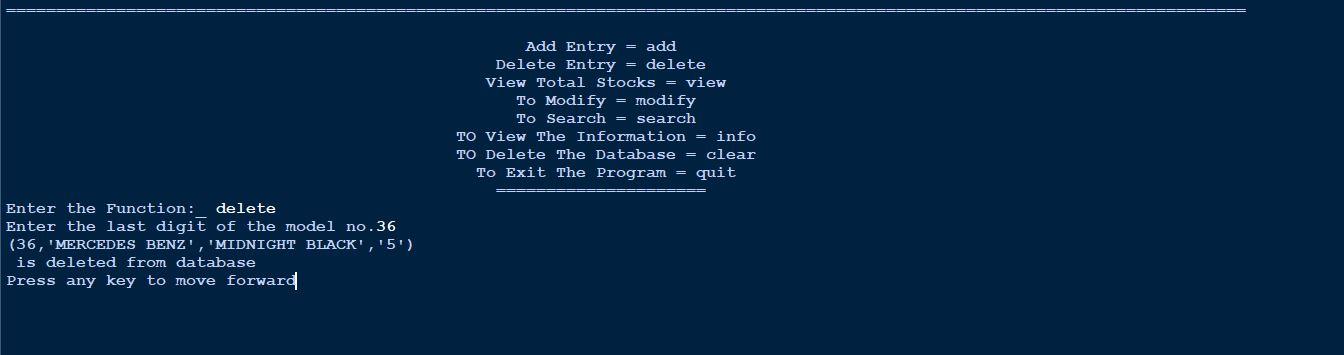
**CHECK PASSWORD:**



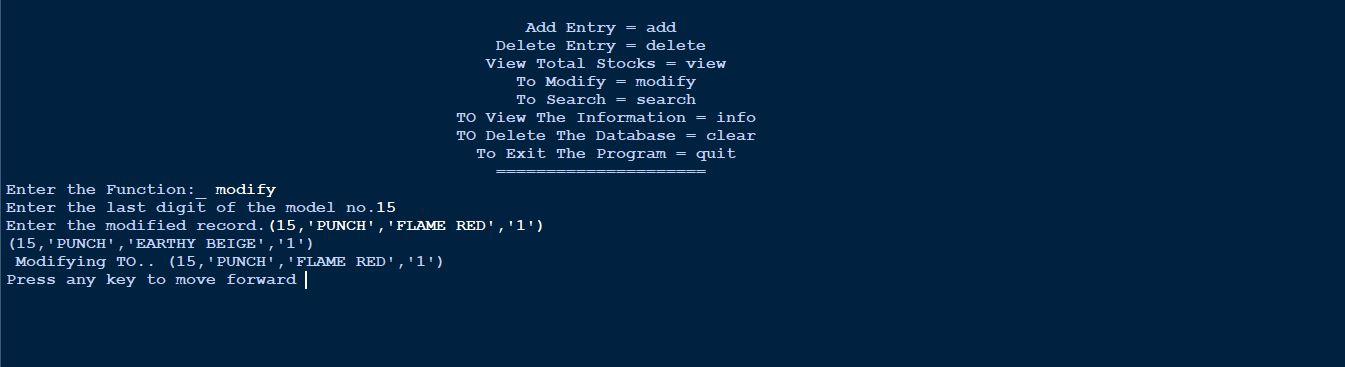
**ADD A RECORD:**



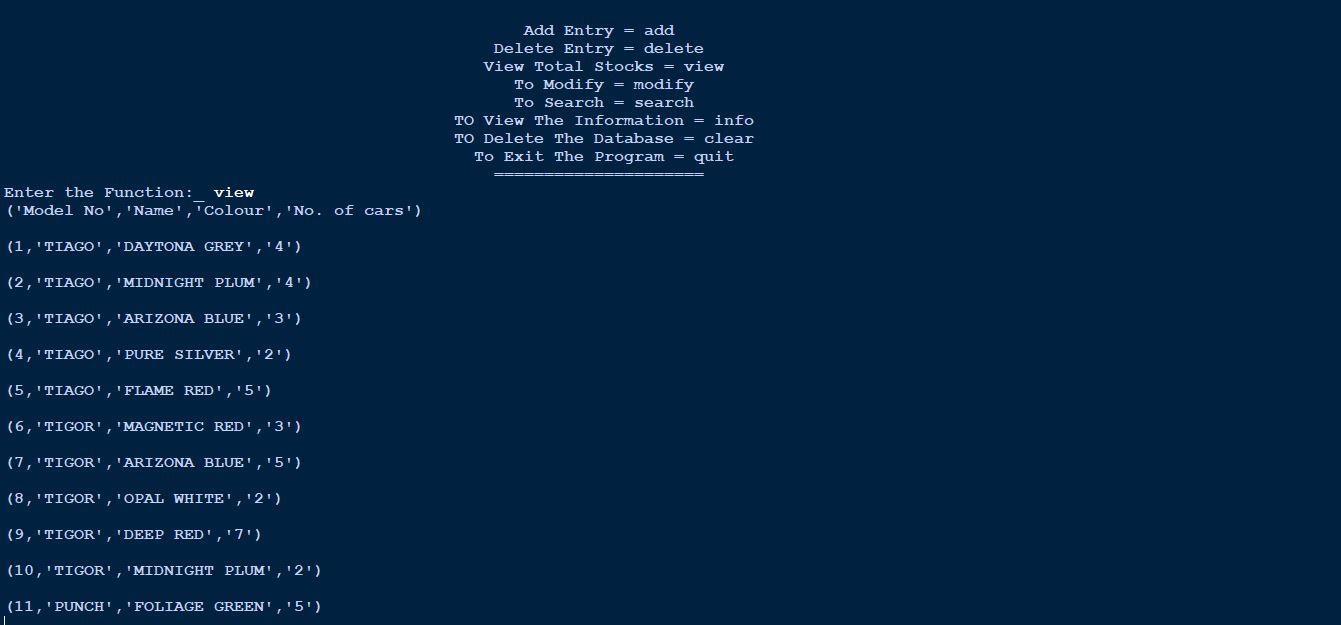
**DELETE A RECORD:**



**MODIFY A RECORD:**

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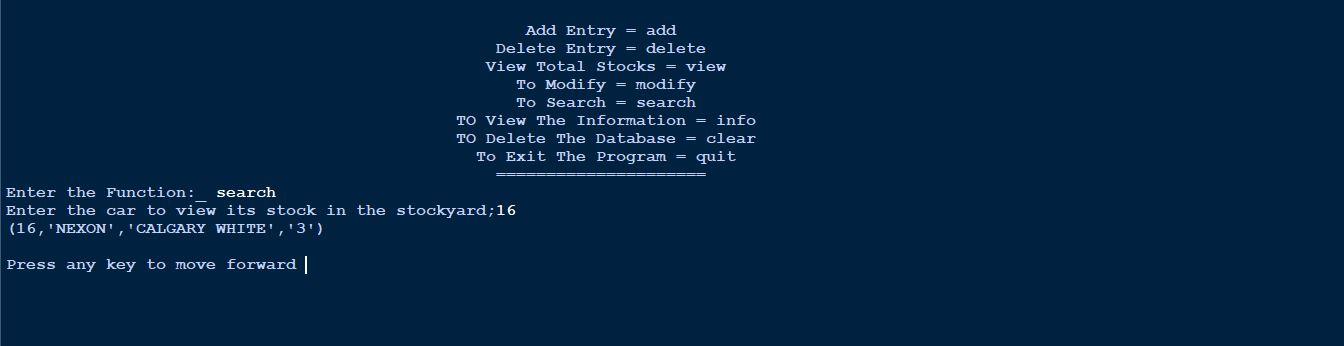
**VIEWING THE STOCKS:**



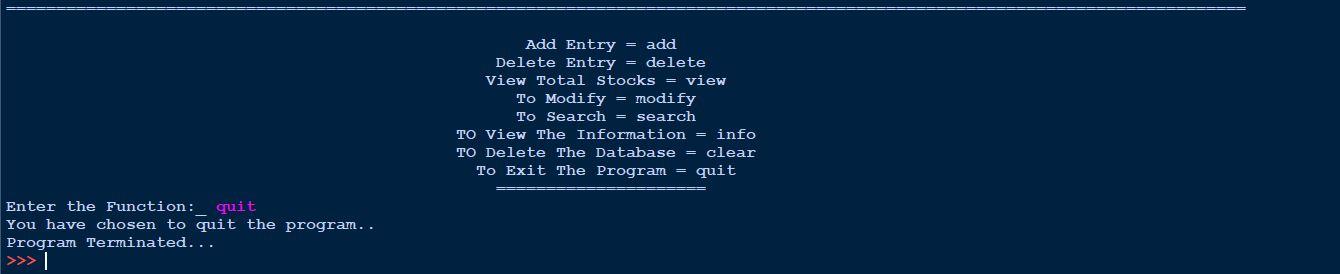


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**SEARCHING A RECORD:**



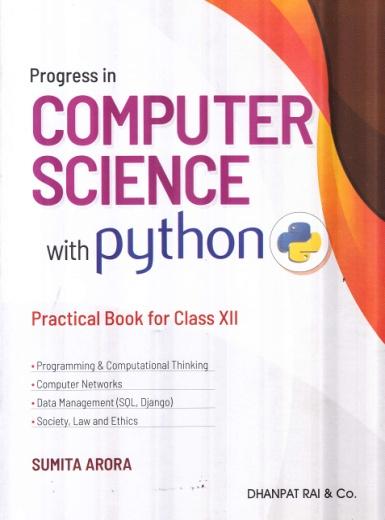
**QUITTING FROM THE PROGRAM:**

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SS.JPG EXTERNAL EXAMINER: