“BUGATTI CAR SHOWROOM”

A COMPUTER SCIENCE PROJECT REPORT

SUBMITTED BY

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IN PARTIAL FULFILMENT OF THE

AISSCE – 2022-23

IN

COMPUTER SCIENCE (083)

AT

SHREE BHAVNAGAR JILLA LEUVA PATEL EDUCATION & MEDICAL TRUST-SURAT

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CERTIFICATE

This is to certify that Mr **Ayush Gangani** is a student of J. B. Diamonds & KARP Impex Vidya Sankul, who has successfully completed the project work on title **BUGATTI CAR SHOWROOM** in **COMPUTER SCIENCE (083)** assigned to him as a part of AISSCE curriculum during the academic year **2022-23**.

We found him very sincere, hardworking and disciplined boy.

We wish all the success for his future endeavors.

....

Signature of the Internal Examiner Signature of the External Examiner

....

Principle Signature

PROJECT FILE

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my Computer Science teacher **Mr. Ajay Tiwari Sir** as well as our principal **Mr. Gaurang Patel Sir** for their guidance and support in completing this wonderful project entitled **"BUGATTI CAR SHOWROOM"** using **Python - MySQL connectivity**".

I came to know about many new things. I am really thankful to them.

A debt of gratitude is also owed to my parents and friends who helped me with their valuable suggestions.

Although this report has been prepared with utmost care and deep routed interest, even then I accept respondents and imperfections.

CONTENT

Aim

Bugatti

Car Showroom

Using My SQL Connectivity

Introduction

- **What is Python?**

  – The Python Programming Language is a recent, general-purpose and higher-level programming language. It has features for database programming also.

  – This project aims on explaining how one can create a MySQL database from within a Python script and create a user interface software.

- **Why Python?**

  – Due to its open source nature, Python has been ported to many platforms.

  – It is free and open source. It is available for free and runs on almost every current platform.

  – Python provides interfaces to all major commercial databases.

- It can easily integrated with C, C++, COM, Java, MySQL, etc.

- **<u>What is MySQL?</u>**

  - MySQL is a freely available open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL).
  - It provides you with a rich set of features that support a secure environment for storing, maintaining, and accessing data.

- **<u>Why MySQL?</u>**

  - It is an open source software and is easily portable.
  - It is easy to use, manage and works quickly and efficiently.
  - It is used to create databases, manage security of a database.
  - It maintains integrity and reduces data redundancy.

Interface Python with MySQL

Python is a
Front End
Software

MySQL is a
Back End
Software

There are mainly seven steps that must be followed in order to create a database connectivity application.

Step 1 – Start Python

Step 2 – Import the packages required for database programming.

Step 3 – Open a connection to database.

Step 4 – Create a cursor instance.

Step 5 – Execute a query.

Step 6 – Extract data from result set.

Step 7 – Clean up the environment.

Python Coding

Source Code:

Login Form:

```
#LOGIN FORM
from tkinter import*
import tkinter.messagebox                      # for messagebox
import os                                      # for stringvariable
from tkinter import ttk                        # for combobox
import random                                  # for reference
import time
import datetime

def main():
    root = Tk()
    app = Window_1(root)


class Window_1:
    def __init__(self, master):
        self.master = master
        self.master.title("Login Window")
        self.master.geometry('750x550')
        self.master.config(bg = 'maroon')
        self.Frame = Frame(self.master, bg = 'maroon')
        self.Frame.pack()


        self.Username = StringVar()
# x = StringVar()  Holds a string; default value is " "
        self.Password = StringVar()

        self.Lbl_Title = Label(self.Frame, text = 'Login Form', 
font = ('algerian',55,'underline'), bg = 'maroon', fg = 'red')
```

```
        self.Lbl_Title.grid(row = 0, column = 0, columnspan =3,
pady = 40)

        self.Login_Frame_1 = LabelFrame(self.Frame, width =
1350, height = 150, relief = 'ridge', bg = 'sky blue', bd = 13,
text='Login', fg = 'darkblue',
                                        font = ('lucida
calligraphy',25,'bold'))
        self.Login_Frame_1.grid(row = 1, column =0)
        self.Login_Frame_2 = LabelFrame(self.Frame, width =
1000, height = 150, relief = 'ridge',bg = 'Orange', bd = 15,
text='Events', fg = 'darkblue',
                                        font = ('lucida
calligraphy',25,'bold'))
        self.Login_Frame_2.grid(row = 2, column = 0)



#===================================================LABEL and
ENTRIES=========================================================
==============
        self.Label_Username = Label(self.Login_Frame_1, text =
'Username', font = ('lucida handwriting',20,'bold'), bg = 'sky
blue', fg = 'black', bd = 20)
        self.Label_Username.grid(row = 0, column = 0)
        self.text_Username = Entry(self.Login_Frame_1, font =
('lucida handwriting',20,'bold'), fg="red",textvariable =
self.Username)
        self.text_Username.grid(row = 0, column = 1, padx = 50)
        self.text_Username.focus()

        self.Label_Password = Label(self.Login_Frame_1, text =
'Password', font = ('lucida handwriting',20,'bold'), bg = 'sky
blue', fg = 'black', bd = 20)
        self.Label_Password.grid(row = 1, column = 0)
        self.text_Password = Entry(self.Login_Frame_1, font =
('lucida handwriting',20,'bold'), show = '~', fg="green",
textvariable = self.Password)
        self.text_Password.grid(row = 1, column = 1)



#=============================================================BU
TTONS===========================================================
============
        self.btnLogin = Button(self.Login_Frame_2, text =
'Login', fg = 'green', width = 10, font = ('lucida
calligraphy',19,'bold'), command = self.Login)
        self.btnLogin.grid(row = 3, column = 0, padx = 8, pady =
20)

        self.btnReset = Button(self.Login_Frame_2, text =
'Reset', fg = 'black', width = 10, font = ('lucida
calligraphy',19,'bold'), command = self.Reset)
        self.btnReset.grid(row = 3, column = 1, padx = 8, pady =
20)

        self.btnExit = Button(self.Login_Frame_2, text = 'Exit',
fg = 'red', width = 10, font = ('lucida calligraphy',19,'bold'),
command = self.Exit)
        self.btnExit.grid(row = 3, column = 2, padx = 8, pady =
20)



#======================================================Code for
Login
Button==========================================================
========
    def Login(self):
        u = (self.Username.get())
        p = (self.Password.get())

        if (u == str('root') and p == str(12345)):
            tkinter.messagebox.askyesno("Login
Successfully","Thanks : For using Login Form.")
            self.master.destroy()
            self.__library__()
        else:
            tkinter.messagebox.askyesno("Login","Error : Wrong
Password")
            self.Username.set("")
            self.Password.set("")
            self.text_Username.focus()




#======================================================Code for
Reset
Button==========================================================
========
    def Reset(self):
         self.Username.set("")
         self.Password.set("")
         self.text_Username.focus()



#======================================================Code for 
Exit 
Button==========================================================
========

    def Exit(self):
        self.Exit = tkinter.messagebox.askokcancel("Login 
System", "Confirm if you want to Exit")
        if self.Exit > 0:
            self.master.destroy()

    def __library__(self):
        filename = 'Ayush.py'
        os.system(filename)
        os.system('notepad'+filename)


if __name__ == '__main__':                                    # 
https://micropyramid.com/blog/understand-self-and-__init__-
method-in-python-class/
    main()
```

#Main Page

```
import tkinter
from tkinter import *
from tkinter import ttk
from tkinter import ttk
from tkinter import messagebox
import mysql.connector as sql
from Show import *
import datetime as dt
import time
from subprocess import call
#from PIL import Image, ImageTk

def SplashScreen():
    splashscreen = Tk()
    splashscreen.overrideredirect(1)  # Remove Title Bar
    splashscreen.geometry(
        f"825x500+{(splashscreen.winfo_screenwidth() - 825) //
2}+{(splashscreen.winfo_screenheight() - 500) // 2}")
    splashscreen.configure(bg='black',bd=10,relief=SUNKEN)


    Label(splashscreen, text='BUGATTI', font='Algerian 35', fg='sky blue',
bg='black',bd=10,relief=RAISED).pack()

    #Add image
    image1 = PhotoImage(file="1001.png")
    label = Label(splashscreen, image=image1, relief = 'raise', bd = 5).pack()

    Label(splashscreen, text="Version 2.O", font='ALGERIAN 10 ', bg='black', fg='sky
blue',bd=10,relief=RAISED).place(x=695, y=55)
    pgbar = ttk.Progressbar(splashscreen, orient='horizontal', length=600, mode='indeterminate')
    Label(splashscreen, text="Designed By: Ayush Gangani ", font='Algerian 13', bg='black',
fg='sky blue',bd=10,relief=RAISED).place(x=517, y=350)
    Label(splashscreen, text="12th Science-B", font='Algerian 13', bg='black', fg='sky
blue',bd=10,relief=RAISED).place(x=640, y=400)
    pgbar.place(x=70, y=450)
    pgbar['maximum'] = 100

    txt=Label(splashscreen,text='0%',relief=GROOVE,bg='sky blue',fg='black')#, bg='#345',
fg='#fff')
    txt.place(x=675, y=450)

    for i in range(101):
        time.sleep(0.01)
        pgbar['value'] = i
        pgbar.update()
        txt['text']=pgbar['value'],'%'

    splashscreen.destroy()

    splashscreen.mainloop()

mydb=sql.connect(host="localhost",user="root",password="3905")#connection to mysql
mycur=mydb.cursor()
mycur.execute("create database if not exists car")
mycur.execute("use car")
mycur.execute('Create table if not exists cardetails(cid varchar(30), name varchar(30), lname
varchar(30), \
mno varchar(30), id varchar(30), pno varchar(50), \
cname varchar(30), model varchar(30), ftype varchar(30), \
ctype varchar(30), colour varchar(30), price varchar(30))')
'''
mycur.execute("create table if not exists appointment"
            "("
            "cid varchar(12) primary key,"
            "name char(50),"
            "mno varchar(10),")

'''



class BugattiCarShowroom:
    def __init__(self,root):
        self.root=root
        '''self.root.iconbitmap("00.png")'''
        self.root.title("CAR WORLD")
        self.root.geometry("1350x690+0+0")     #Fixing window size according to monitor
resolution
```

```
    #=============================== Variable Details
================================================#
    self.cid=StringVar()
    self.name=StringVar()
    self.lname=StringVar()
    self.mno=StringVar()
    self.id=StringVar()
    self.pno=StringVar()
    self.cname=StringVar()
    self.model=StringVar()
    self.ftype=StringVar()
    self.ctype=StringVar()
    self.colour=StringVar()
    self.price=StringVar()

    lblTitle=Label(self.root,text="BUGATTI",bg="sky blue",fg="black",bd=10,relief=RIDGE,\
      font=("Bernard MT Condensed",50,"bold"),padx=10,pady=10)
    lblTitle.pack(side=TOP,fill=X)


    frame=Frame(self.root,bd=12,relief=RIDGE,padx=20,bg="black")
    frame.place(x=0,y=123,width=1060,height=290)

    DataFrameLeft=LabelFrame(frame,text="Customer And Car Details",bg="sky
blue",fg="black",bd=12,relief=RIDGE,font=("times new roman",12,"bold"),padx=2,pady=3)
    DataFrameLeft.place(x=-13,y=7,width=1020,height=250)


    lbl2=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car Name",font=("times new
roman",14,"bold"),padx=20,pady=3)
    lbl2.grid(row=0,column=2,sticky=W)
    txtPRN_No=Entry(DataFrameLeft, textvariable=self.cname,font=("times new
roman",14),width=18)
    txtPRN_No.grid(row=0,column=3,sticky=W)

    lbl1=Label(DataFrameLeft,bg="sky blue",fg="black",text="Customer Details:",font=("times
new roman",13,"bold"),padx=2,pady=3)
    lbl1.grid(row=1,column=0,sticky=W)

    lblid=Label(DataFrameLeft,bg="sky blue",fg="black",text="Customer Id",font=("times new
roman",12,"bold"),padx=2,pady=3)
    lblid.grid(row=2,column=0,sticky=W)
    txtid=Entry(DataFrameLeft, textvariable=self.cid,font=("times new roman",12),width=20)
    txtid.grid(row=2,column=1,sticky=W)
```

```
        lblname=Label(DataFrameLeft,bg="sky blue",fg="black",text="Frist Name",font=("times
new roman",12,"bold"),padx=30,pady=3)
        lblname.grid(row=2,column=2,sticky=W)
        txtname=Entry(DataFrameLeft, textvariable=self.name,font=("times new
roman",12),width=20)
        txtname.grid(row=2,column=3,sticky=W)

        lbllname=Label(DataFrameLeft,bg="sky blue",fg="black",text="Last Name",font=("times
new roman",12,"bold"),padx=55,pady=3)
        lbllname.grid(row=2,column=4,sticky=W)
        txtlname=Entry(DataFrameLeft, textvariable=self.lname,font=("times new
roman",12),width=20)
        txtlname.grid(row=2,column=5,sticky=W)


        lblp=Label(DataFrameLeft,bg="sky blue",fg="black",text="Id Proof Type",font=("times new
roman",12,"bold"),padx=30,pady=3)
        lblp.grid(row=3,column=2,sticky=W)
        cmbp=ttk.Combobox(DataFrameLeft,textvariable=self.id,font=("times new
roman",12,"bold"),width=18,state="readonly")
        cmbp["value"]=("Aadhar Card","Voter Id","Other")
        cmbp.current(0)
        cmbp.grid(row=3,column=3,sticky=W)

        lblMobilenumber=Label(DataFrameLeft,bg="sky blue",fg="black",text="Mobile
Number",font=("times new roman",12,"bold"),padx=2,pady=3)
        lblMobilenumber.grid(row=3,column=0,sticky=W)
        txtMobilenumber=Entry(DataFrameLeft, textvariable=self.mno,font=("times new
roman",12),width=20)
        txtMobilenumber.grid(row=3,column=1,sticky=W)

        lblMobilepnumber=Label(DataFrameLeft,bg="sky
blue",fg="black",text="Aadhar/Voter/other Id No.",font=("times new
roman",12,"bold"),padx=2,pady=3)
        lblMobilepnumber.grid(row=3,column=4,sticky=W)
        txtMobilepnumber=Entry(DataFrameLeft, textvariable=self.pno,font=("times new
roman",12),width=20)
        txtMobilepnumber.grid(row=3,column=5,sticky=W)

        lblCardetails=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car
Details:",font=("times new roman",13,"bold"),padx=2,pady=3)
        lblCardetails.grid(row=4,column=0,sticky=W)
        lblmodel=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car Model",font=("times new roman",12,"bold"),padx=2,pady=3)
        lblmodel.grid(row=5,column=0,sticky=W)
        txtmodel=Entry(DataFrameLeft, textvariable=self.model,font=("times new roman",12),width=20)
        txtmodel.grid(row=5,column=1,sticky=W)

        lbltype=Label(DataFrameLeft,bg="sky blue",fg="black",text="Fuel Type",font=("times new roman",12,"bold"),padx=30,pady=3)
        lbltype.grid(row=5,column=2,sticky=W)
        cmbtype=ttk.Combobox(DataFrameLeft,textvariable=self.ftype,font=("times new roman",12,"bold"),width=18,state="readonly")
        cmbtype["value"]=("Petrol","Diesel","Other")
        cmbtype.current(0)
        cmbtype.grid(row=5,column=3,sticky=W)

        lblctype=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car Type",font=("times new roman",12,"bold"),padx=55,pady=3)
        lblctype.grid(row=5,column=4,sticky=W)
        cmbctype=ttk.Combobox(DataFrameLeft,textvariable=self.ctype,font=("times new roman",12,"bold"),width=18,state="readonly")
        cmbctype["value"]=("4-seater","6-seater")
        cmbctype.current(0)
        cmbctype.grid(row=5,column=5,sticky=W)

        lblcolour=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car Colour",font=("times new roman",12,"bold"),padx=30,pady=3)
        lblcolour.grid(row=6,column=2,sticky=W)
        cmbcolour=ttk.Combobox(DataFrameLeft,textvariable=self.colour,font=("times new roman",12,"bold"),width=18,state="readonly")
        cmbcolour["value"]=("Black/Orange","White","Dark Blue",'Yellow')
        cmbcolour.current(0)
        cmbcolour.grid(row=6,column=3,sticky=W)



        lblprice=Label(DataFrameLeft,bg="sky blue",fg="black",text="Car Price",font=("times new roman",12,"bold"),padx=2,pady=3)
        lblprice.grid(row=6,column=0,sticky=W)
        txtprice=Entry(DataFrameLeft, textvariable=self.price,font=("times new roman",12),width=20)
        txtprice.grid(row=6,column=1,sticky=W)
#==================================================================
        fram=Frame(self.root,bd=12,relief=RIDGE,padx=20,bg="black")
        fram.place(x=1062,y=123,width=305,height=580)


        btnAddData1=Button(fram,text="Bugatti Cihron",font=("arial",8,"bold"),width=15,bg="sky
blue",fg="black",relief=RAISED,bd=5)
        btnAddData1.place(x=70,y=105)
        self.lbb=Label(self.root,bg='white')
        self.lbb.place(x=1080,y=140, width=270, height=97)
        self.ig=PhotoImage(file='01.png')
        self.lbb.config(image=self.ig)

        btnAddData13=Button(fram,text="Bugatti W16
Mistral",font=("arial",8,"bold"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnAddData13.place(x=70,y=385)
        self.lbb=Label(self.root,bg='white')
        self.lbb.place(x=1080,y=275, width=270, height=97)
        self.ig1=PhotoImage(file='04.png')
        self.lbb.config(image=self.ig1)

        btnAddData11=Button(fram,text="Bugatti One
Off",font=("arial",8,"bold"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnAddData11.place(x=70,y=238)
        self.lbb=Label(self.root,bg='white')
        self.lbb.place(x=1080,y=415, width=270, height=97)
        self.ig2=PhotoImage(file='03.png')
        self.lbb.config(image=self.ig2)

        btnAddData12=Button(fram,text="Bugatti
Veyron",font=("arial",8,"bold"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnAddData12.place(x=70,y=525)
        self.lbb=Label(self.root,bg='white')
        self.lbb.place(x=1080,y=565, width=270, height=97)
        self.ig3=PhotoImage(file='02.png')
        self.lbb.config(image=self.ig3)



#============================================================================#
        FrameDetails=Frame(self.root,bd=12,relief=RIDGE,padx=20,bg="black")
        FrameDetails.place(x=0,y=473,width=1060,height=230)

        xScroll=ttk.Scrollbar(FrameDetails,orient=HORIZONTAL)
        yScroll=ttk.Scrollbar(FrameDetails,orient=VERTICAL)


self.Car_Table=ttk.Treeview(FrameDetails,column=("cid","name","lname","mno","id","pno","cn
ame","model",\
      "ftype","ctype","colour","price"),\
        x=xScroll.set,y=yScroll.set)          #Creating table to show the books borrowed
information in tabular form
        xScroll.pack(side=BOTTOM,fill=X)              #Adding horizontal scrollbar to the table
        yScroll.pack(side=RIGHT,fill=Y)               #Adding vertical scrollbar to the table

        xScroll.config(command=self.Car_Table.xview)    #Binding scrollbar to the table
        yScroll.config(command=self.Car_Table.yview)

        self.Car_Table.heading("cid",text="Customer Id")     #Creating heading in table for all fields
        self.Car_Table.heading("name",text="Frist Name")
        self.Car_Table.heading("lname",text="Last Name")
        self.Car_Table.heading("mno",text="Mobile Number")
        self.Car_Table.heading("id",text="Proof Type")
        self.Car_Table.heading("pno",text="Id Number")
        self.Car_Table.heading("cname",text="Car Name")
        self.Car_Table.heading("model",text="Car Model")
        self.Car_Table.heading("ftype",text="Fuel Type")
        self.Car_Table.heading("ctype",text="Car Type")
        self.Car_Table.heading("colour",text="Car Colour")
        self.Car_Table.heading("price",text="Car Price")


        self.Car_Table["show"]="headings"
        self.Car_Table.pack(fill=BOTH,expand=1)

        self.Car_Table.column("cid",width=100)                #Fixing the width of all fields
        self.Car_Table.column("name",width=100)
        self.Car_Table.column("lname",width=100)
        self.Car_Table.column("mno",width=100)
        self.Car_Table.column("id",width=100)
        self.Car_Table.column("pno",width=100)
        self.Car_Table.column("cname",width=100)
        self.Car_Table.column("model",width=100)
        self.Car_Table.column("ftype",width=100)
        self.Car_Table.column("ctype",width=100)
        self.Car_Table.column("colour",width=100)
        self.Car_Table.column("price",width=100)
```

```
        self.fetch_data()       #TO show data in the table below.
        self.Car_Table.bind("<ButtonRelease-1>",self.get_cursor)



#================================================================================
================================================================================
=================================================#
        FrameButton=Frame(self.root,bd=12,relief=RIDGE,padx=20,bg="black")
        FrameButton.place(x=0,y=416,width=1060,height=55)


btnAddData=Button(FrameButton,command=self.add_data,text="ADD",font=("arial",8,"bold"),
width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnAddData.grid(row=0,column=0,padx=22)


btnShowData=Button(FrameButton,command=Display,text="SHOW",font=("arial",8,"bold"),wid
th=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnShowData.grid(row=0,column=1,padx=22)


btnUpdateData=Button(FrameButton,command=self.update_data,text="UPDATE",font=("arial"
,8,"bold"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnUpdateData.grid(row=0,column=2,padx=22)


btnDeleteData=Button(FrameButton,command=self.delete_data,text="DELETE",font=("arial",8,
"bold"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnDeleteData.grid(row=0,column=3,padx=22)


btnResetData=Button(FrameButton,command=self.reset_data,text="RESET",font=("arial",8,"bo
ld"),width=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnResetData.grid(row=0,column=4,padx=22)


btnExitData=Button(FrameButton,command=self.iExit,text="EXIT",font=("arial",8,"bold"),width
=15,bg="sky blue",fg="black",relief=RAISED,bd=5)
        btnExitData.grid(row=0,column=5,padx=22)
```

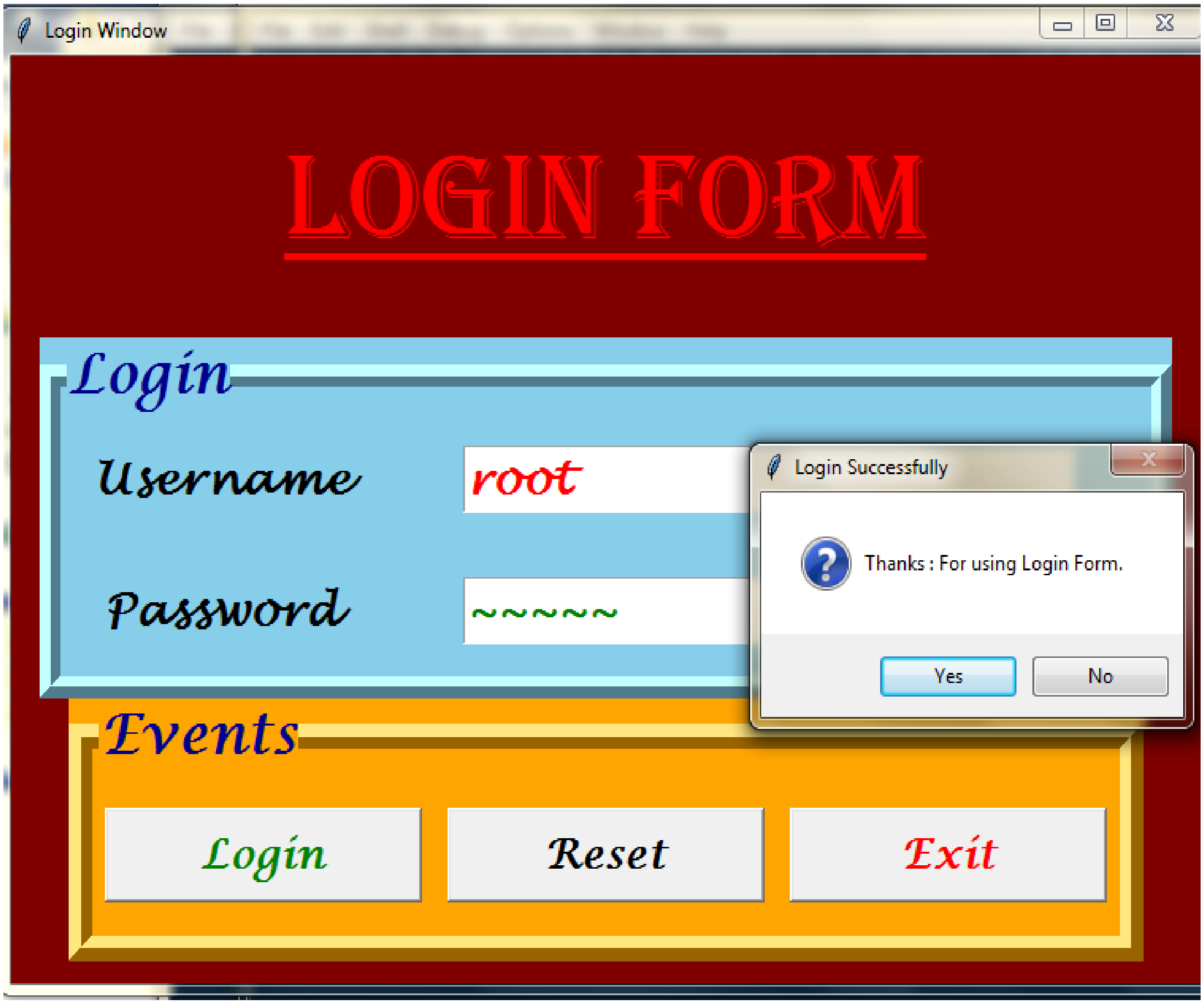
```
    def add_data(self):        #Add_Data function to save records in Library database
        mydb=sql.connect(host="localhost",user="root",passwd="3905",database="car")
        mycur=mydb.cursor()

        mycur.execute("insert into cardetails values(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)",(
                                                        self.cid.get(),
                                                        self.name.get(),
                                                        self.lname.get(),
                                                        self.mno.get(),
                                                        self.id.get(),
                                                        self.pno.get(),
                                                        self.cname.get(),
                                                        self.model.get(),
                                                        self.ftype.get(),
                                                        self.ctype.get(),
                                                        self.colour.get(),
                                                        self.price.get()
                                                                ))
        mydb.commit()
        self.fetch_data()
        self.reset_data()
        messagebox.showinfo("Success","Member has been created successfully.")
        mycur.close()

    def update_data(self):        #Update_Data function to update records in Library database
        mydb=sql.connect(host="localhost",user="root",passwd="3905",database="car")
        mycur=mydb.cursor()
        mycur.execute("update cardetails set
name=%s,lname=%s,mno=%s,id=%s,pno=%s,cname=%s,\
            model=%s,ftype=%s,ctype=%s,colour=%s,price=%s where cid=%s ",(

                                            self.name.get(),
                                            self.lname.get(),
                                            self.mno.get(),
                                            self.id.get(),
                                            self.pno.get(),
                                            self.cname.get(),
                                            self.model.get(),
                                            self.ftype.get(),
                                            self.ctype.get(),
                                            self.colour.get(),
                                            self.price.get(),
                                            self.cid.get()
                                            ))
        mydb.commit()
        self.fetch_data()
        self.reset_data()
        mydb.close()
        messagebox.showinfo("Success","Member has been updated successfully.")


    def fetch_data(self):          #Function to access all records from the bookdetails table
        mydb=sql.connect(host="localhost",user="root",passwd="3905",database="car")
        mycur=mydb.cursor()
        mycur.execute("select * from cardetails")
        rows=mycur.fetchall()

        if len(rows)!=0:           #To delete previous data from the table
            self.Car_Table.delete(*self.Car_Table.get_children())
            for i in rows:
                self.Car_Table.insert("",END,values=i)
            mydb.commit()
        mydb.close()

    def get_cursor(self,event=""):          #To focus the curosr on the table
        cursor_row=self.Car_Table.focus()
        content=self.Car_Table.item(cursor_row)
        row=content["values"]
        self.cid.set(row[0]),    #To show the values from table to their respective field in the second
frame.
        self.name.set(row[1]),
        self.lname.set(row[2]),
        self.mno.set(row[3]),
        self.id.set(row[4]),
        self.pno.set(row[5]),
        self.cname.set(row[6]),
        self.model.set(row[7]),
        self.ftype.set(row[8]),
        self.ctype.set(row[9]),
        self.colour.set(row[10]),
        self.price.set(row[11]),


    def show_data(self):               #To show data in right-side List Box
        self.txtBox.insert(END,"Customer Id Type:\t\t"+self.cid.get()+"\n")
        self.txtBox.insert(END,"Frist Name:\t\t"+self.name.get()+"\n")
        self.txtBox.insert(END,"Last Name:\t\t"+self.lname.get()+"\n")
        self.txtBox.insert(END,"Mobile No.:\t\t"+self.mno.get()+"\n")
```

```
   self.txtBox.insert(END,"Id Type:\t\t"+self.id.get()+"\n")
   self.txtBox.insert(END,"Id No.:\t\t"+self.pno.get()+"\n")
   self.txtBox.insert(END,"Car Name:\t\t"+self.cname.get()+"\n")
   self.txtBox.insert(END,"Car Model.:\t\t"+self.model.get()+"\n")
   self.txtBox.insert(END,"Fuel Type:\t\t"+self.ftype.get()+"\n")
   self.txtBox.insert(END,"Car Type:\t\t"+self.ctype.get()+"\n")
   self.txtBox.insert(END,"Car Colour:\t\t"+self.colour.get()+"\n")
   self.txtBox.insert(END,"Car Price:\t\t"+self.price.get()+"\n")

def reset_data(self):                 #To reset values of all controls
   self.cid.set(""),
   self.name.set(""),
   self.lname.set(""),
   self.mno.set(""),
   self.id.set(""),
   self.pno.set(""),
   self.cname.set(""),
   self.model.set(""),
   self.ftype.set(""),
   self.ctype.set(""),
   self.colour.set(""),
   self.price.set(""),


def iExit(self):
   iExit=tkinter.messagebox.askyesno("Library Management System","Do you want to exit?")
   if iExit>0:
      self.root.destroy()
      return

def delete_data(self):
   if self.cid.get()=="":
      messagebox.showerror("Error!!!","First select the Member.")
   else:
      mydb=sql.connect(host="localhost",user="root",passwd="
                  ,database="car")
      mycur=mydb.cursor()
      query="delete from cardetails where cid=%s"
      value=(self.cid.get(),)
      mycur.execute(query,value)

      mydb.commit()
      self.fetch_data()
      self.reset_data()
```

```
            mydb.close()

            messagebox.showinfo("Success","Member has been deleted successfully.")


if __name__=="__main__":           #Infinite loop to run the program
    SplashScreen()
    root=Tk()
    obj=BugattiCarShowroom(root)
    root.mainloop()



from tkinter import *
#from PIL import ImageTk,Image
from tkinter import messagebox
#import pymysql
import mysql.connector as sql

# Add your own database name and password here to reflect in the code
db="car"
con = sql.connect(host="localhost",user="root",password='3905',database=db)

def Display():

    root = Tk()
    root.title("car")
    root.minsize(width=600,height=500)
    root.geometry("600x500")


    Canvas1 = Canvas(root)
    Canvas1.config(bg="sky blue")
    Canvas1.pack(expand=True,fill=BOTH)


    headingFrame1 = Frame(root,bg="white",bd=5)
    headingFrame1.place(relx=0.25,rely=0.1,relwidth=0.5,relheight=0.13)

    headingLabel = Label(headingFrame1, text="Car Details", bg='black', fg='white',
font=('Courier',15))
    headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)

    labelFrame = Frame(root,bg='black')
    labelFrame.place(relx=0.1,rely=0.3,relwidth=0.8,relheight=0.6)
    y = 0.25

    Label(labelFrame, text="%-10s%-20s%-30s%-30s%-30s%-20s%-20s%-20s%-20s%-20s%-20s%-
10s"%('C-id','name','L-Name','ID','IdNo','phno','C-Model','C-Name','Colour','C-type','F-type','C-
price'),bg='black',fg='white').place(relx=0.07,rely=0.1)
    Label(labelFrame, text="----------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------
",bg='black',fg='white').place(relx=0.07,rely=0.2)
    cur = con.cursor()
    getBooks = "select * from cardetails"
    try:
        cur.execute(getBooks)
        data=cur.fetchall()
        con.commit()
        for i in data:
            Label(labelFrame, text="%-10s%-20s%-20s%-20s%-20s%-20s%-20s%-20s%-20s%-20s%-
20s%-
10s"%(i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8],i[9],i[10],i[11]),bg='black',fg='white').place(relx=0.07,
rely=y)
            y += 0.1
    except:
        messagebox.showinfo("Failed to fetch files from database")

    quitBtn = Button(root,text="Quit",bg='#f7f1e3', fg='black', command=root.destroy)
    quitBtn.place(relx=0.4,rely=0.9, relwidth=0.18,relheight=0.08)

    root.mainloop()
```

INPUT AND OUTPUT INTERFERENCE

#LOGIN FORM



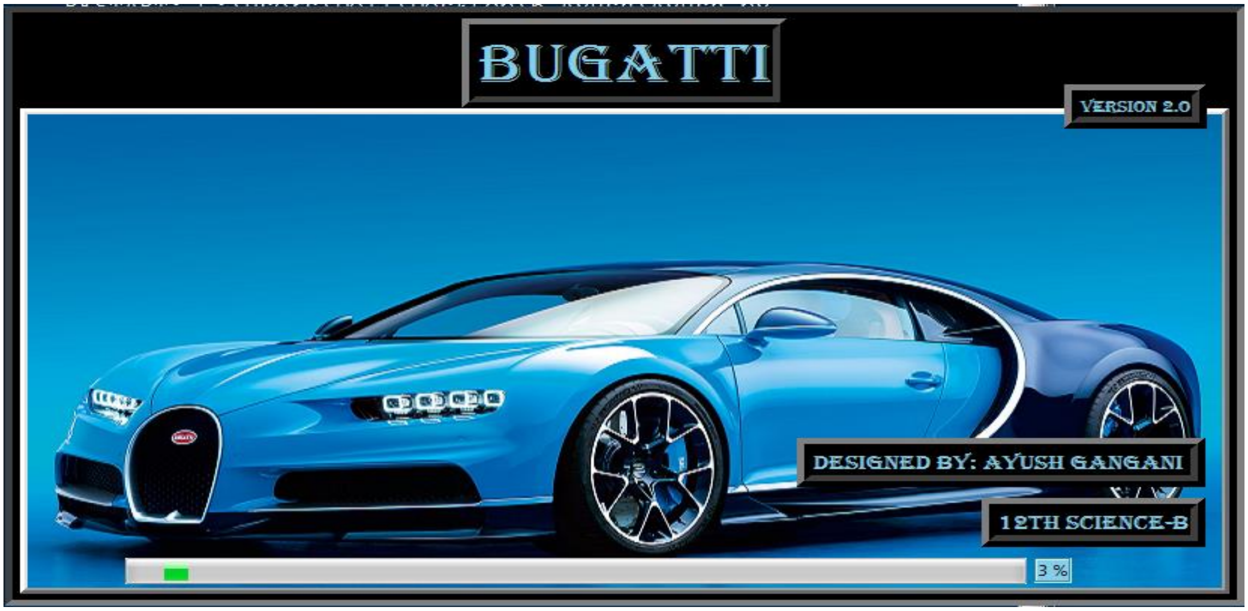
Username: root

Password: ~~~~~~

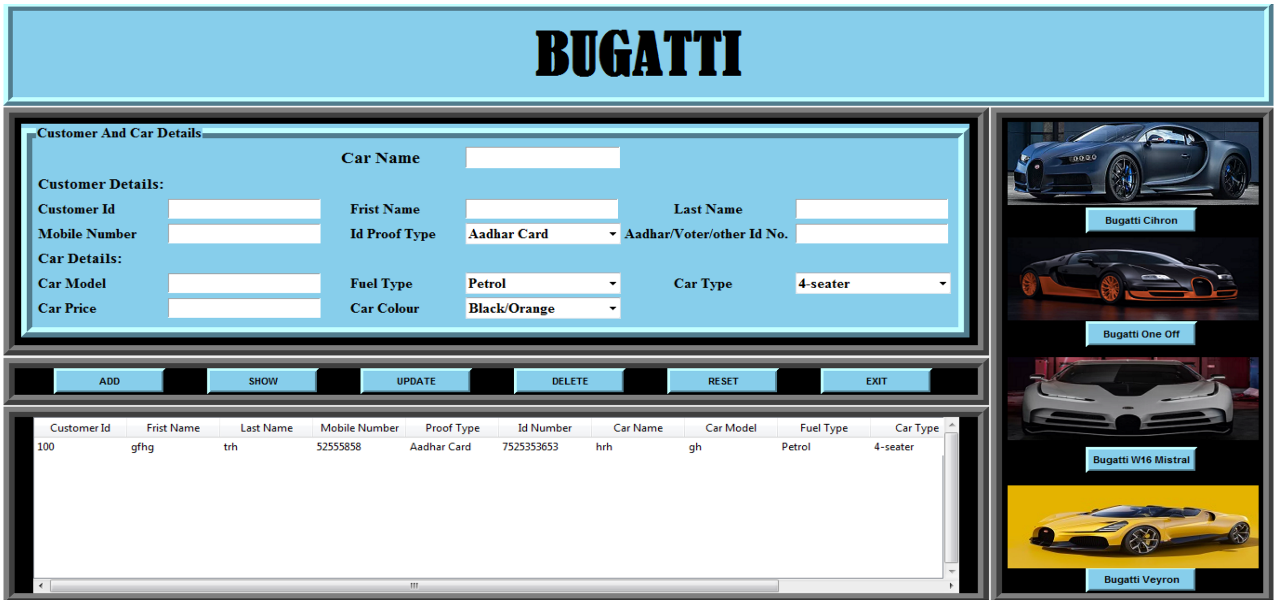
Login Successfully

Thanks : For using Login Form.

#Splashscreen



#Main Page



Car Name

Customer Details:

Customer Id | Frist Name | Last Name

Mobile Number | Id Proof Type: Aadhar Card | Aadhar/Voter/other Id No.

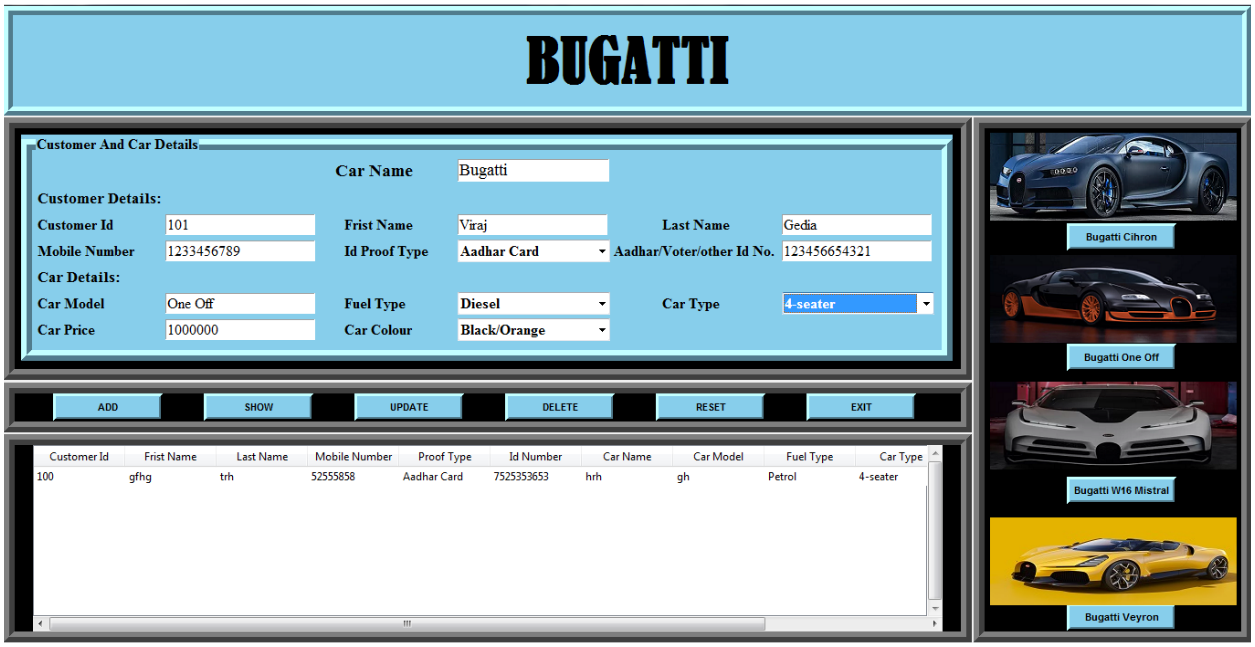
Car Details:

Car Model | Fuel Type: Petrol | Car Type: 4-seater

Car Price | Car Colour: Black/Orange

Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater

#Add Member



Customer And Car Details

Car Name: Bugatti

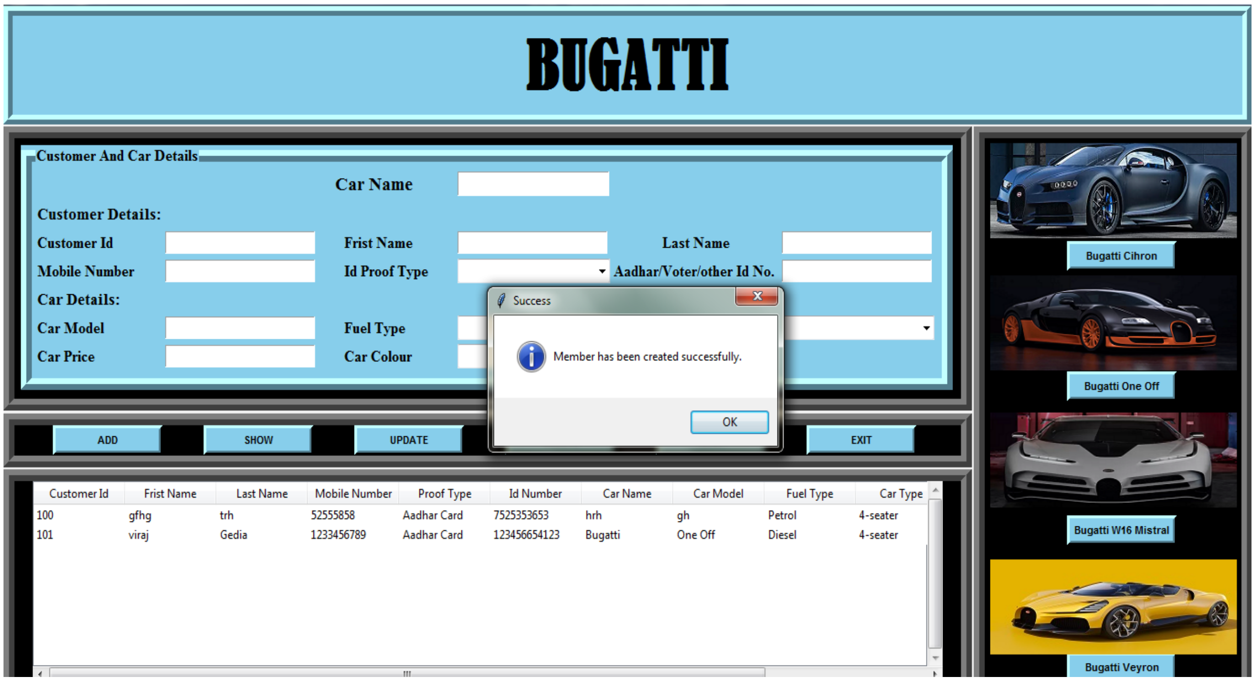
Customer Details:

Customer Id: 101
Frist Name: Viraj
Last Name: Gedia
Mobile Number: 1233456789
Id Proof Type: Aadhar Card
Aadhar/Voter/other Id No.: 123456654321

Car Details:

Car Model: One Off
Fuel Type: Diesel
Car Type: 4-seater
Car Price: 1000000
Car Colour: Black/Orange

Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater



Customer And Car Details

Car Name:

Customer Details:

Customer Id:
Frist Name:
Last Name:
Mobile Number:
Id Proof Type:
Aadhar/Voter/other Id No.:

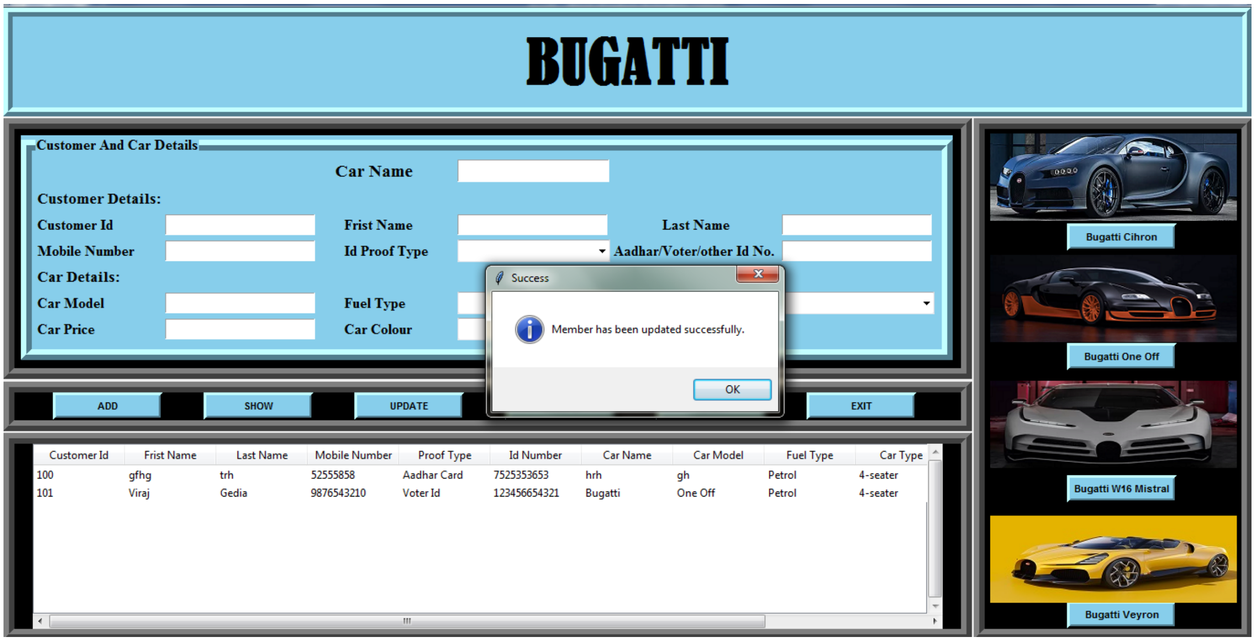
Car Details:

Car Model:
Fuel Type:
Car Price:
Car Colour:

Member has been created successfully.

Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater
101	viraj	Gedia	1233456789	Aadhar Card	123456654123	Bugatti	One Off	Diesel	4-seater

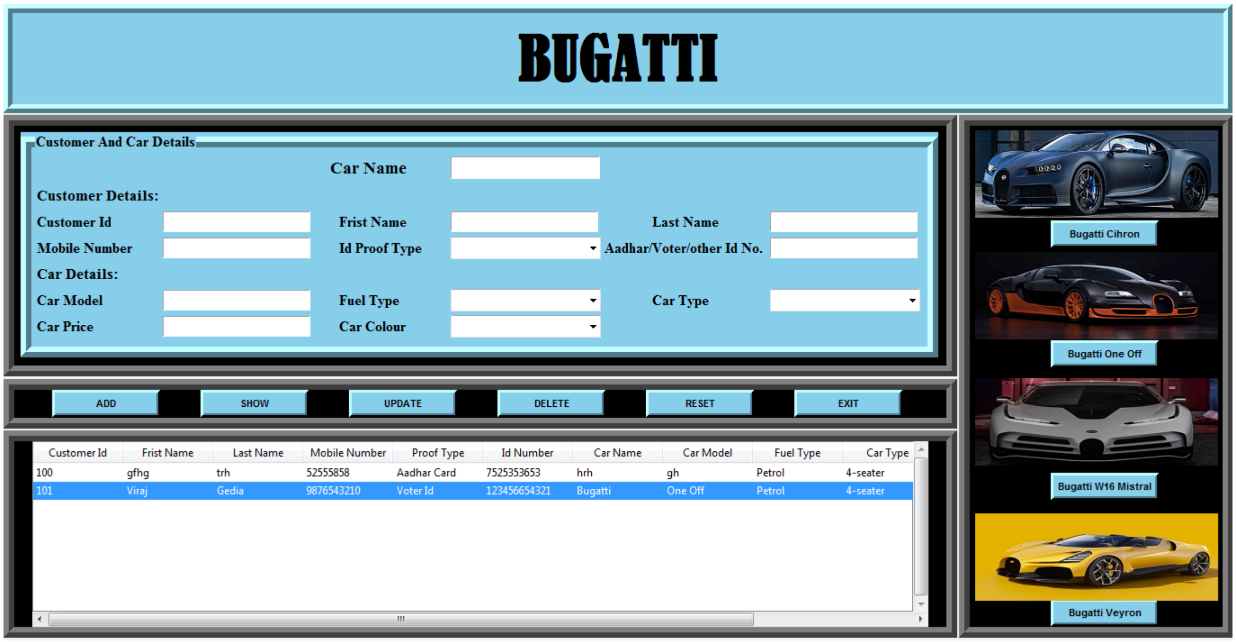
#Update Member



Member has been updated successfully.

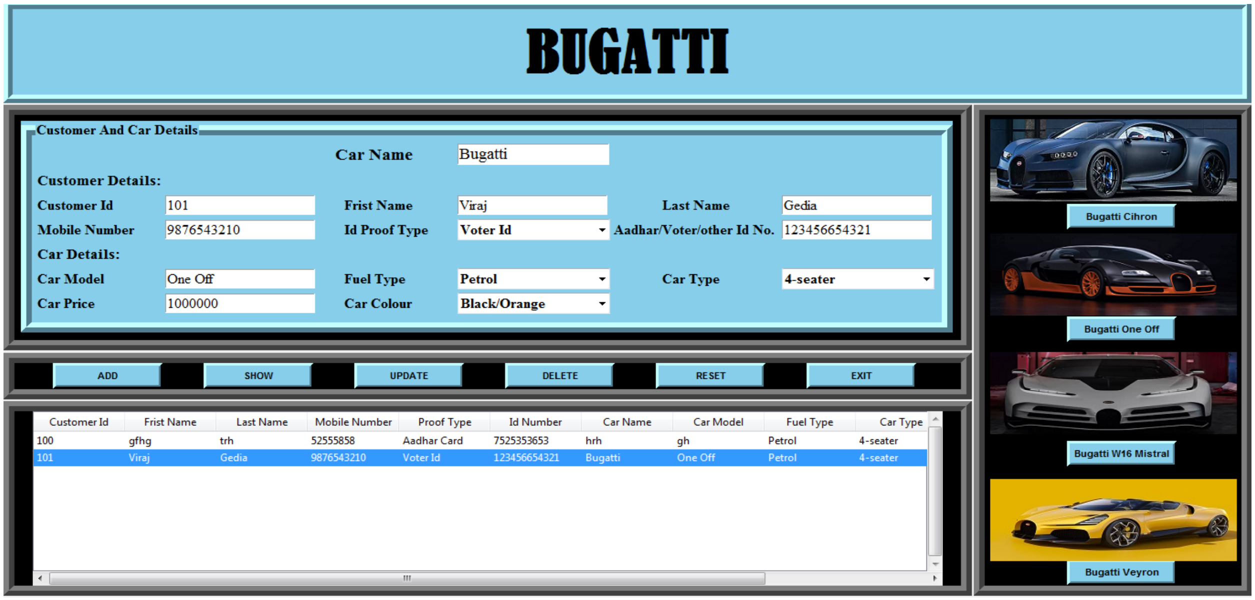
Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater
101	Viraj	Gedia	9876543210	Voter Id	123456654321	Bugatti	One Off	Petrol	4-seater

# Reset Data



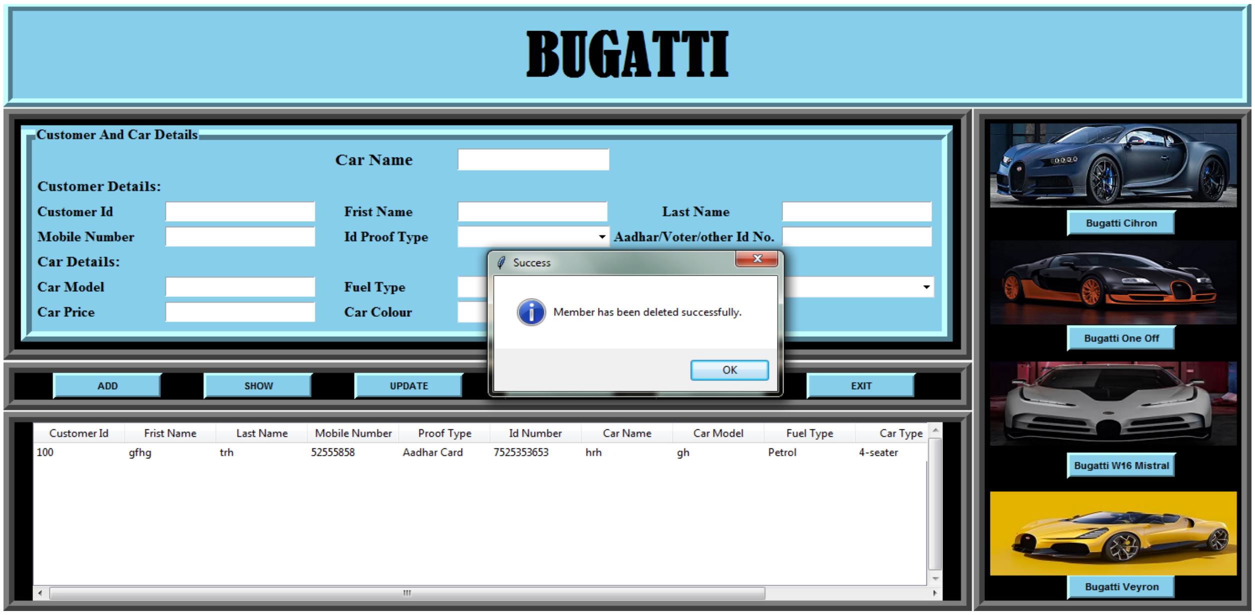
Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater
101	Viraj	Gedia	9876543210	Voter Id	123456654321	Bugatti	One Off	Petrol	4-seater

# Delete Data



		Car Name	Bugatti		
Customer Details:					
Customer Id	101	Frist Name	Viraj	Last Name	Gedia
Mobile Number	9876543210	Id Proof Type	Voter Id	Aadhar/Voter/other Id No.	123456654321
Car Details:					
Car Model	One Off	Fuel Type	Petrol	Car Type	4-seater
Car Price	1000000	Car Colour	Black/Orange		

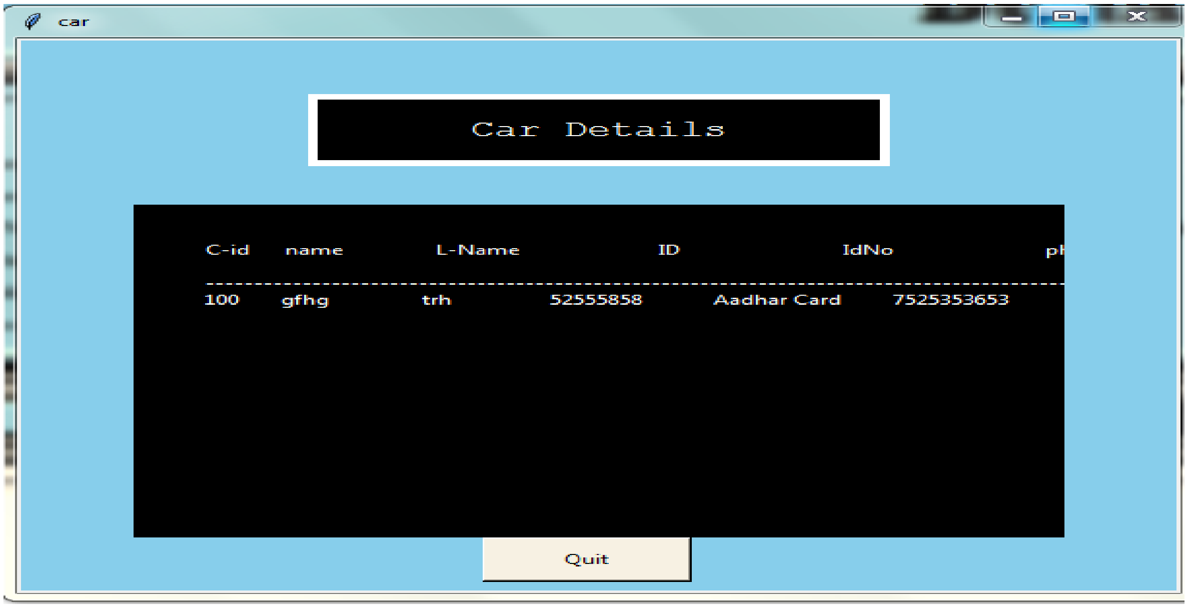
Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater
101	Viraj	Gedia	9876543210	Voter Id	123456654321	Bugatti	One Off	Petrol	4-seater



Member has been deleted successfully.

Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater

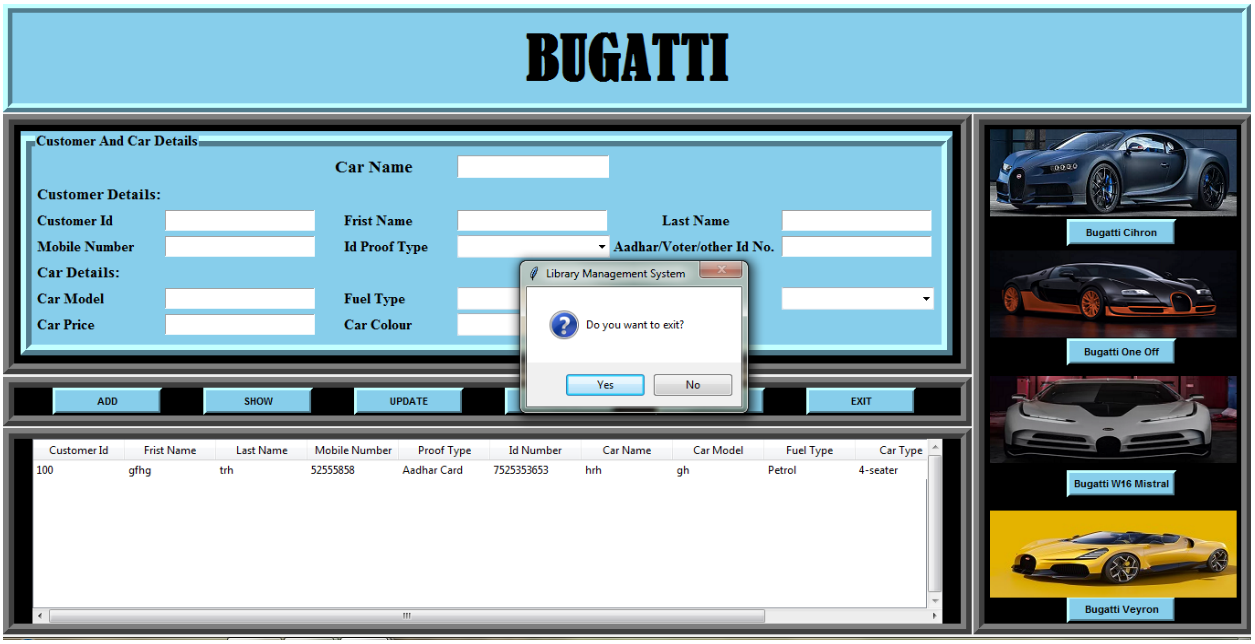
#Show



Car Details

```
C-id   name        L-Name           ID             IdNo             ph
------------------------------------------------------------------------
100    gfhg       trh         52555858      Aadhar Card     7525353653
```

#Exit



Customer And Car Details

Car Name

Customer Details:

Customer Id | Frist Name | Last Name

Mobile Number | Id Proof Type | Aadhar/Voter/other Id No.

Car Details:

Car Model | Fuel Type

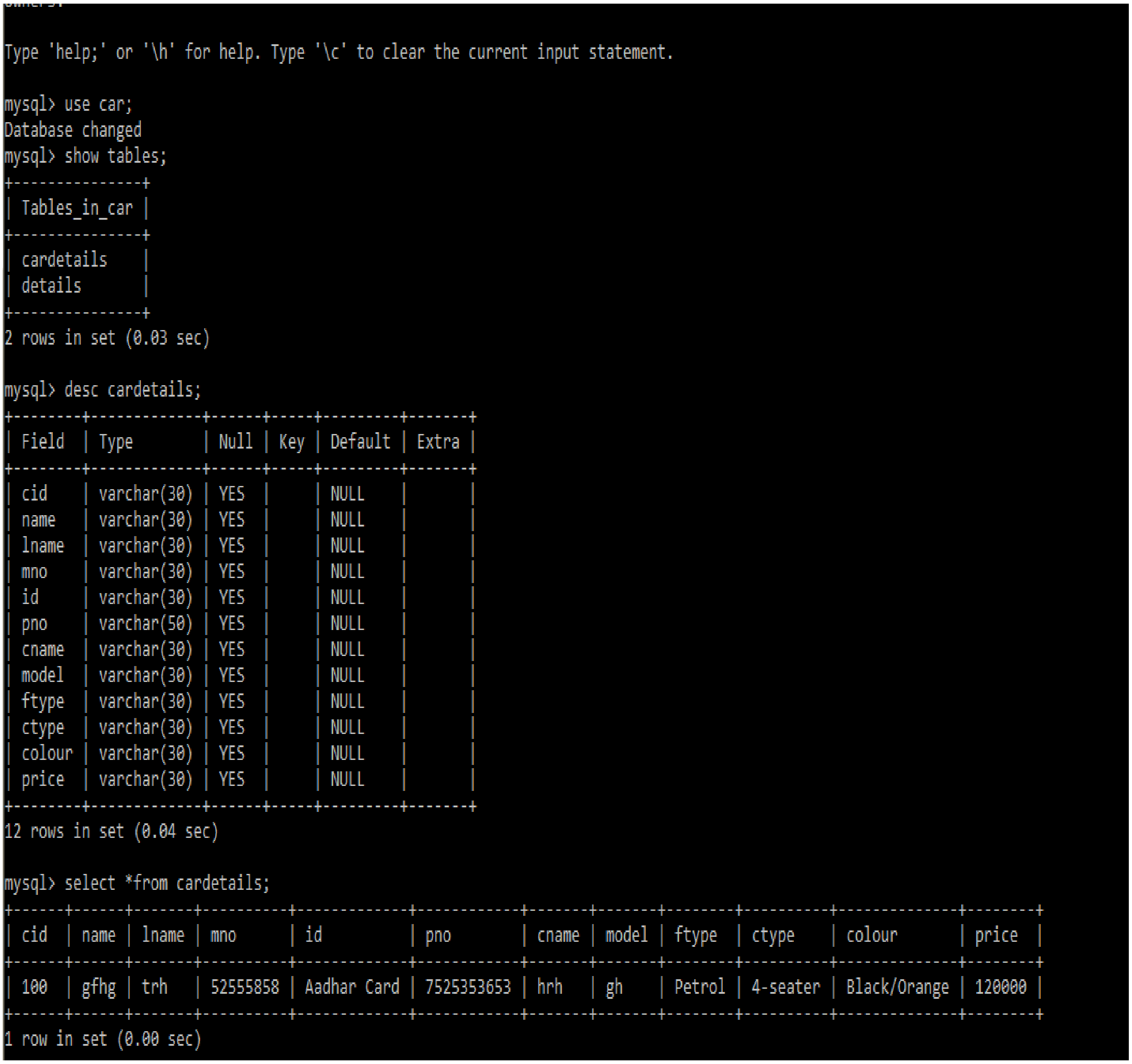
Car Price | Car Colour

Library Management System

Do you want to exit?

Customer Id	Frist Name	Last Name	Mobile Number	Proof Type	Id Number	Car Name	Car Model	Fuel Type	Car Type
100	gfhg	trh	52555858	Aadhar Card	7525353653	hrh	gh	Petrol	4-seater

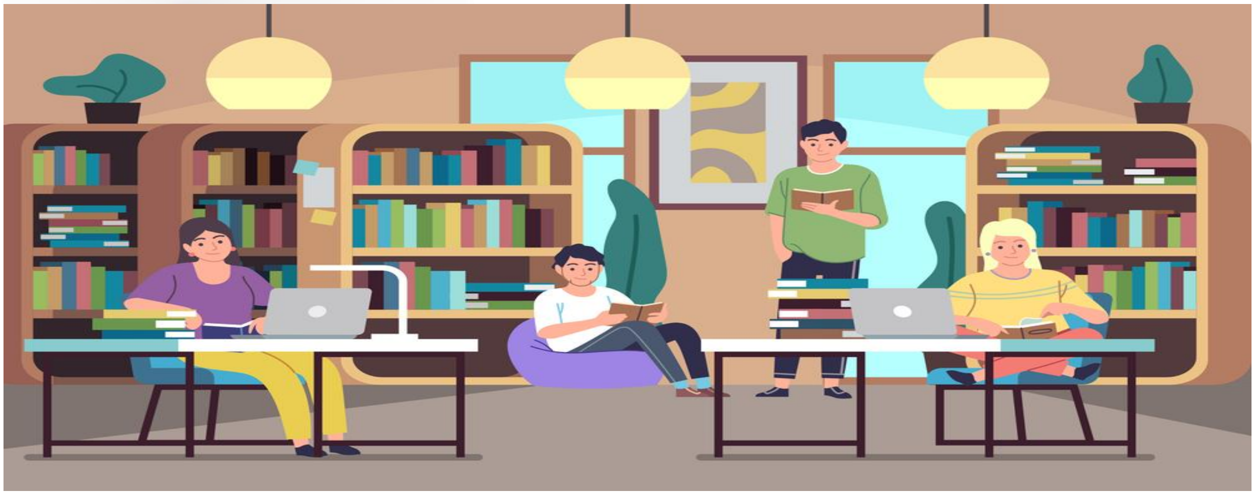
Database Structure



```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use car;
Database changed
mysql> show tables;
+---------------+
| Tables_in_car |
+---------------+
| cardetails    |
| details       |
+---------------+
2 rows in set (0.03 sec)

mysql> desc cardetails;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| cid    | varchar(30) | YES  |     | NULL    |       |
| name   | varchar(30) | YES  |     | NULL    |       |
| lname  | varchar(30) | YES  |     | NULL    |       |
| mno    | varchar(30) | YES  |     | NULL    |       |
| id     | varchar(30) | YES  |     | NULL    |       |
| pno    | varchar(50) | YES  |     | NULL    |       |
| cname  | varchar(30) | YES  |     | NULL    |       |
| model  | varchar(30) | YES  |     | NULL    |       |
| ftype  | varchar(30) | YES  |     | NULL    |       |
| ctype  | varchar(30) | YES  |     | NULL    |       |
| colour | varchar(30) | YES  |     | NULL    |       |
| price  | varchar(30) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
12 rows in set (0.04 sec)

mysql> select *from cardetails;
+------+------+-------+----------+-------------+------------+-------+-------+--------+----------+--------------+--------+
| cid  | name | lname | mno      | id          | pno        | cname | model | ftype  | ctype    | colour       | price  |
+------+------+-------+----------+-------------+------------+-------+-------+--------+----------+--------------+--------+
| 100  | gfhg | trh   | 52555858 | Aadhar Card | 7525353653 | hrh   | gh    | Petrol | 4-seater | Black/Orange | 120000 |
+------+------+-------+----------+-------------+------------+-------+-------+--------+----------+--------------+--------+
1 row in set (0.00 sec)
```

Bibliography

- C.S. Textbook Class 12.
- Python IDLE Help.
- Tkinter Module Book.



THANK YOU