**SOURCE CODE**

import mysql.connector as mycon

con=mycon.connect(host='localhost',user='root',password="password")

cur=con.cursor()

cur.execute("create database if not exists Parking")

cur.execute("use Parking")

cur.execute("create table if not exists TEST6(V\_No varchar(30) not null,Name varchar(20),V\_Type varchar(20),Charged int, Timing datetime primary key, Status varchar(5) default 'in', Out\_time datetime )")

con.commit()

print('|||||||||||||||||||||||||')

print('|| ||')

print('|| Parking rack System ||')

print('|| ||')

print('|||||||||||||||||||||||||')

print('------------------------------------------------------------')

print('LIFE IS A JOURNEY, BUT DONT WORRY YOU WILL FIND PARKING SPOT')

print('------------------------------------------------------------')

print('------------------------------------')

print('|$$$$$$$$$ AMOUNT CHARGED $$$$$$$$$|')

print('------------------------------------')

print('CAR PARKING Rs.50')

print("Bike PARKING Rs.25")

print("VAN AND OTHER LARGE VEHICLES Rs.100")

print('OTHER CYCLE etc. Rs.15')

print('-----------------------------------')

print('|$$$$$$$$$ ENTER DETAILS $$$$$$$$$|')

print('-----------------------------------')

**# ------------TO ADD DETAILS-----------**

def add():

e=input("Enter Vehicle number:").lower()

n=input("Enter Name of the Person Parking:")

d=input("Enter Vehicle Type:")

s=int(input("Enter Amount charged:"))

t="now()"

query="insert into TEST6(V\_No,Name,V\_Type,Charged,Timing) values('{}','{}','{}',{},{})".format(e,n,d,s,t)

cur.execute(query)

con.commit()

print("## Details Saved ##\n")

**# ------------TO SEARCH DETIALS----------**

def details(): #to display entire detials

query="select \* from TEST6 order by Timing desc"

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print(" # There are no parked vehicles #")

else:

print("%10s"%"V\_No","%20s"%"Name","%15s"%"V\_Type","%10s"%"Amount","%25s"%"Entry\_time","%10s"%"Status","%25s"%"Out\_time")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%15s"%row[2],"%10s"%row[3],"%25s"%row[4],"%10s"%row[5],"%25s"%row[6])

print("-----------------------------------")

print('\n')

def particular\_detail(): **#to search for a particular vehicle**

ans='y'

while ans.lower()=='y':

V\_No=input("ENTER V\_No TO SEARCH:")

query="select \* from TEST6 where V\_No='{}' order by Timing desc".format(V\_No)

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print("Sorry! # Parking Detail Not Found #")

else:

print("%10s"%"V\_No","%20s"%"Name","%15s"%"V\_Type","%10s"%"Amount","%25s"%"Entry\_time","%10s"%"Status","%25s"%"Out\_time")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%15s"%row[2],"%10s"%row[3],"%25s"%row[4],"%10s"%row[5],"%25s"%row[6])

ans=input("SEARCH MORE(Y):")

print("-----------------------------------")

print('\n')

def parked\_vehicles():

query="select \* from TEST6 where Status='{}' order by Timing desc".format('in')

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print(" # There are no parked vehicles #")

else:

print("%10s"%"V\_No","%20s"%"Name","%15s"%"V\_Type","%10s"%"Amount","%25s"%"Entry\_time","%10s"%"Status","%25s"%"Out\_time")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%15s"%row[2],"%10s"%row[3],"%25s"%row[4],"%10s"%row[5],"%25s"%row[6])

print("-----------------------------------")

print('\n')

def search():

print('\'1\'->To dispaly all the vehicles')

print('\'2\'->To search for a vehicle')

print('\'3\'->To see the parked vehicles')

ch=int(input('Enter your choice:'))

if ch==1: **#to display entire details**

details()

elif ch==2: **#to search for a particular vehicle**

particular\_detail()

elif ch==3:

parked\_vehicles()

else:

print("## INVALID CHOICE ##")

**# ------------TO MODIFY DETAILS-----------**

def status():

ans='y'

while ans.lower()=='y':

V\_No=input("ENTER V\_No TO change its status as 'out':")

query="select \* from TEST6 where V\_No='{}' order by Timing desc".format(V\_No)

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print("Sorry! # Parking Detail Not Found #")

else:

st='out'

query="update TEST6 set Status='{}',Out\_time={} where V\_No='{}'".format(st,"now()",V\_No)

cur.execute(query)

con.commit()

print("## RECORD DETAIL UPDATED ##")

ans=input("UPDATE MORE(y):")

print("-----------------------------------")

print('\n')

def delete():

ans='y'

while ans.lower()=='y':

V\_No=input("ENTER V\_No TO DELETE:")

query="select \* from TEST6 where V\_No='{}' order by Timing desc".format(V\_No)

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print("Sorry! # Parking Detail Not Found #")

else:

print("\n")

print("%10s"%"V\_No","%20s"%"Name","%15s"%"V\_Type","%10s"%"Amount","%25s"%"Entry\_time","%15s"%"Status","%25s"%"Out\_time")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%15s"%row[2],"%10s"%row[3],"%25s"%row[4],"%10s"%row[5],"%25s"%row[6])

choice=input("\n ## ARE YOUR SURE TO DELETE?(Y):")

if choice.lower()=='y':

query="delete from TEST6 where V\_No='{}'".format(V\_No)

cur.execute(query)

con.commit()

print("## RECORD DELETED SUCCESSFULLY!=== ")

ans=input("WANT TO DELETE MORE(y):")

print("-----------------------------------\n")

def update():

ans='y'

while ans.lower()=='y':

V\_No=input("ENTER V\_No TO UPDATE:")

query="select \* from test6 where V\_No='{}' order by Timing desc".format(V\_No)

cur.execute(query)

result=cur.fetchall()

if cur.rowcount==0:

print("Sorry! # Parking Detail Not Found #")

else:

print("\n")

print("%10s"%"V\_No","%20s"%"Name","%15s"%"V\_Type","%10s"%"Amount","%25s"%"Entry\_time","%15s"%"Status","%25s"%"Out\_time")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%15s"%row[2],"%10s"%row[3],"%25s"%row[4],"%10s"%row[5],"%25s"%row[6])

choice=input("\n ## ARE YOUR SURE WANT TO UPDATE?(Y):")

if choice.lower()=='y':

print("==YOU CAN UPDATE ONLY V\_Type AND Amount ==")

d=input("ENTER NEW V\_Type:")

s=int(input("ENTER NEW Amount:"))

query="update TEST6 set V\_Type='{}',Charged={} where V\_No='{}'".format(d,s,V\_No)

cur.execute(query)

con.commit()

print("## RECORD DETAIL UPDATED ##")

ans=input("UPDATE MORE(y):")

print("-----------------------------------")

print('\n')

def modify():

print('\'1\'-> To update details')

print('\'2\'-> To delete details')

print('\'3\'-> To change the status of the vehicle')

ch=int(input('Enter your choice'))

if ch==1:

update()

elif ch==2:

delete()

elif ch==3:

status()

else:

print("## INVALID CHOICE ##")

**# ------------MAIN\_PROGRAM---------------**

choice=None

while choice!=0:

print("\'1\'->ADD vehicle details")

print("\'2\'->Display vehicle details")

print("\'3\'->Modify vehicle details")

print("\'0\'->Exit")

choice=int(input("Enter your Choice:"))

if choice==1:

add()

elif choice==2:

search()

elif choice==3:

modify()

elif choice==0:

print("## Bye!!! Thank you!!!##")

else:

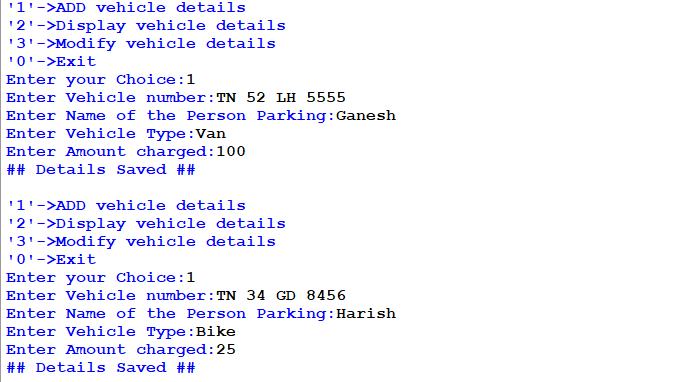
print("## INVALID CHOICE ##")

**Output:**

**Graphical user interface, text, application, email

Description automatically generatedText

Description automatically generated**

**A picture containing text

Description automatically generated**

**A picture containing scatter chart

Description automatically generatedChart

Description automatically generated with medium confidence**

**Text

Description automatically generatedA picture containing text

Description automatically generated**

**MySQL Output:**

**Graphical user interface

Description automatically generated**