

Project using Python and MySQL – Sneaker Business Management System

Problem statement: To Create a business management system for a sneaker store/business where one can add/drop shoes and customer data.

Theory:

Source Code for Python: -

```
Main Code.py - C:\Users\Kunsh\AppData\Local\Programs\Python\Python39\Class 12 Board Project_Kunsh Sneakers\Main Code.py (3.9.4)
File Edit Format Run Options Window Help

import os
import platform
import mysql.connector
mydb=mysql.connector.connect(host="localhost", user="root", passwd="kunsh05072005",database="sneakers")
mc=mydb.cursor()
mc.execute("create table shoe_info(scode varchar(5) primary key, sbrand varchar(5), sname varchar(30), sprice varchar(
mc.execute("create table customer_info(cno varchar(5)primary key, cname varchar(20), cphone char(10), caddress varchar
mc.execute("show tables")
for x in mc:
    print("table created",x)

def shoe_insert():
    l=[]
    scode=int(input("Enter New Shoe's code/ID:-"))
    sbrand=input("Enter Shoe Brand:-")
    sname=input("Enter Shoe Name:-")
    sprice=int(input("Enter Shoe cost in INR:-"))
    scolor=input("Enter Shoe Colour:-")
    slaunch=input("Enter Shoe's Launch Date:-")
    stype=input("Enter M for Men's shoe, W for Women's shoe and U for unisex shoe:-")
    ssize=int(input("Enter avaiable UK shoe size:-"))
    l=[scode,sbrand,sname,sprice,scolor,slaunch,stype,ssize]
    sql="insert into shoe_info(scode,sbrand,sname,sprice,scolor,slaunch,stype,ssize) values(%s,%s,%s,%s,%s,%s,%s,%s)"
    mc.execute(sql,l)
    mydb.commit()
    print("Shoe Record added Successfully")

def cust_insert():
    l=[]
    cno=int(input("Enter Customer Number:-"))
```

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```
def cust_insert():
    l=[]
    cno=int(input("Enter Customer Number:-"))
    cname=input("Enter Customer Name:-")
    cphone=int(input("Enter Phone Number:-"))
    caddress=input("Enter Customer Address:-")
    cgender=input("Enter Customer Gender(M/F):-")
    cmembership=input("Enter Membership Code(if any):-")
    l=[cno, cname, cphone, caddress, cgender, cmembership]
    sql="insert into customer_info(cno, cname, cphone, caddress, cgender, cmembership) values(%s,%s,%s,%s,%s,%s)"
    mc.execute(sql,l)
    mydb.commit()
    print("Customer Record added Successfully")

def shoe_search():
    print("Enter the criteria to search with:-")
    print("1.Shoe Code")
    print("2.Shoe Brand")
    print("3.Shoe Name")
    print("4.View All")
    ch=int(input("Enter your choice:-"))

    if ch==1:
        s=int(input("Enter the Shoe Code to be searched:-"))
        r1=(s,)
        sql="select * from shoe_info where scode=%s"
        mc.execute(sql,r1)
        result=mc.fetchall()
        for x in result:
            if len(x) !=0:
```

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```
        if len(x) !=0:
            print(x)
        else:
            print("No record found")
elif ch==2:
    s=input("Enter the Shoe Brand to be searched:-")
    r1=(s,)
    sql="select * from shoe_info where sbrand=%s"
    mc.execute(sql,r1)
    result=mc.fetchall()
    for x in result:
        if len(x) !=0:
            print(x)
        else:
            print("No record found")
elif ch==3:
    s=input("Enter the Shoe Name to be searched:-")
    r1=(s,)
    sql="select * from shoe_info where sname=%s"
    mc.execute(sql,r1)
    result=mc.fetchall()
    for x in result:
        if len(x) !=0:
            print(x)
        else:
            print("No record found")
elif ch==4:
    sql="select * from shoe_info"
    mc.execute(sql)
    result=mc.fetchall()
```

Main Code.py - C:\Users\Kunsh\AppData\Local\Programs\Python\Python39\Class 12 Board Project_Kunsh_Sneakers\Main Code.py (3.9.4)

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```
sql="select * from shoe_info"
mc.execute(sql)
result=mc.fetchall()
print("The shoe details are :-")
print("(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)")
for x in result:
    if len(x) !=0:
        print(x)
    else:
        print("No record found")

def cust_search():
    print("Enter the criteria to search with:-")
    print("1.Customer Number")
    print("2.Customer Name")
    print("3.All Customers")
    ch=int(input("Enter your choice:-"))

    if ch==1:
        s=int(input("Enter the Customer Number to be searched:-"))
        r1=(s,)
        sql="select * from customer_info where cno=%s"
        mc.execute(sql,r1)
        result=mc.fetchall()
        for x in result:
            if len(x) !=0:
                print(x)
            else:
                print("No record found")
    elif ch==2:
```

```

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        print("No record found")
elif ch==2:
    s=input("Enter the Customer Name to be searched:-")
    r1=(s,)
    sql="select * from customer_info where cname=%s"
    mc.execute(sql,r1)
    result=mc.fetchall()
    for x in result:
        if len(x) !=0:
            print(x)
        else:
            print("No record found")
elif ch==3:
    sql="select * from customer_info"
    mc.execute(sql)
    result=mc.fetchall()
    print("The Customer details are :-")
    print("(Customer-Number, Customer-Name, Customer-Phone, Customer-Address, Customer-Gender, Customer-Membership)"
    for x in result:
        if len(x) !=0:
            print(x)
        else:
            print("No record found")

def shoe_purchase():
    sql="select * from shoe_info"
    mc.execute(sql)
    result=mc.fetchall()
    print("The Details of Shoes Available for purchase are:-")
    print("(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)")

```

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```

result=mc.fetchall()
print("The Details of Shoes Available for purchase are:-")
print("(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)")
for x in result:
    print(x)
    cost=0.0
    l1=dict()
ch="yes"
l1=["yes", "YES", "y", "Y", "Yes"]
while ch in l1:
    c1=input("Enter the Shoe's Name to be Purchased:-")
    r1=(c1,)
    sql="select sprice from shoe_info where sname=%s"
    mc.execute(sql,r1)
    result=mc.fetchall()
    tsum=0
    for x in result:
        cost=float(x[0])
        print("The Shoe's price is:-Rs.",cost)
        q1=int(input("Enter the Shoe quantity to be purchased:-"))
        final_cost=q1*cost
        print("The final price of all products is:- Rs.",final_cost)
        tsum=tsum+final_cost
        ch1=input("Do you wish to make the payment?")
        if ch1 in l1:
            print("Purchase Successful")
        else:
            print("Purchase Failed")
        ch=input("Do you want to purchase more shoes?")

```

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```
def remove_shoe():
    name=input("Enter the Shoe Name to be deleted:-")
    r1=(name,)
    sql="delete from shoe_info where sname=%s"
    mc.execute(sql,r1)
    mydb.commit()
    print("Shoe Record Deleted Successfully")

def Main_Menu():
    l1=["yes", "YES", "y", "Y", "Yes"]
    choice="yes"
    while choice in l1:
        print("***** Welcome to Sneaker Dream *****")
        print("Select your choice:-")
        print("1.Add new Shoe Details")
        print("2.View All Shoe Details")
        print("3.Purchase new Shoe")
        print("4.Remove Shoe Details")
        print("5.Add New Customer Details")
        print("6.View Customer Details")
        user_input=int(input("Enter your choice:-"))
        if user_input==1:
            shoe_insert()
        elif user_input==2:
            shoe_search()
        elif user_input==3:
            shoe_purchase()
        elif user_input==4:
            remove_shoe()
        elif user_input==5:
```


Main Code.py - C:\Users\Kunsh\AppData\Local\Programs\Python\Python39\Class 12 Board Project_Kunsh_Sneakers\Main Code.py (3.9.4)

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```
print("***** Welcome to Sneaker Dream *****")
print("Select your choice:-")
print("1.Add new Shoe Details")
print("2.View All Shoe Details")
print("3.Purchase new Shoe")
print("4.Remove Shoe Details")
print("5.Add New Customer Details")
print("6.View Customer Details")
user_input=int(input("Enter your choice:-"))
if user_input==1:
    shoe_insert()
elif user_input==2:
    shoe_search()
elif user_input==3:
    shoe_purchase()
elif user_input==4:
    remove_shoe()
elif user_input==5:
    cust_insert()
elif user_input==6:
    cust_search()
else:
    print("Invalid Choice Entered")
choice=input("Do you want to take another action? Enter yes/YES or no/NO:-")

print("Thanks for visiting Sneaker Dream")
```

Main_Menu()

Python Outputs: -

```
IDLE Shell 3.9.4
File Edit Shell Debug Options Window Help

Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Kunsh\AppData\Local\Programs\Python\Python39\Class 12 Board Project_Kunsh_Sneakers\Main Code.py
table created ('customer_info',)
table created ('shoe_info',)
***** Welcome to Sneaker Dream *****
Select your choice:-
1.Add new Shoe Details
2.View All Shoe Details
3.Purchase new Shoe
4.Remove Shoe Details
5.Add New Customer Details
6.View Customer Details
Enter your choice:-1
Enter New Shoe's code/ID:-1
Enter Shoe Brand:-Nike
Enter Shoe Name:-Air Jordan 1
Enter Shoe cost in INR:-6000
Enter Shoe Colour:-Red
Enter Shoe's Launch Date:-19 April 1985
Enter M for Men's shoe, W for Women's shoe and U for unisex shoe:-U
Enter available UK shoe size:-10
Shoe Record added Successfully
Do you want to take another action? Enter yes/YES or no/NO:-yes
***** Welcome to Sneaker Dream *****
Select your choice:-
1.Add new Shoe Details
2.View All Shoe Details
3.Purchase new Shoe
```

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-2

Enter the criteria to search with:-

1.Shoe Code

2.Shoe Brand

3.Shoe Name

4.View All

Enter your choice:-1

Enter the Shoe Code to be searched:-1

('1', 'Nike', 'Air Jordan 1', '6000', 'Red', '19 April 1985', 'U', '10')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-2

Enter the criteria to search with:-

1.Shoe Code

2.Shoe Brand

3.Shoe Name

4.View All

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

3.Shoe Name

4.View All

Enter your choice:-2

Enter the Shoe Brand to be searched:-Nike

('1', 'Nike', 'Air Jordan 1', '6000', 'Red', '19 April 1985', 'U', '10')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-2

Enter the criteria to search with:-

1.Shoe Code

2.Shoe Brand

3.Shoe Name

4.View All

Enter your choice:-3

Enter the Shoe Name to be searched:-Air Jordan 1

('1', 'Nike', 'Air Jordan 1', '6000', 'Red', '19 April 1985', 'U', '10')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

5.Add New Customer Details

6.View Customer Details

Enter your choice:-2

Enter the criteria to search with:-

1.Shoe Code

2.Shoe Brand

3.Shoe Name

4.View All

Enter your choice:-4

The shoe details are :-

(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)

('1', 'Nike', 'Air Jordan 1', '6000', 'Red', '19 April 1985', 'U', '10')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-3

The Details of Shoes Available for purchase are:-

(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)

('1', 'Nike', 'Air Jordan 1', '6000', 'Red', '19 April 1985', 'U', '10')

Enter the Shoe's Name to be Purchased:-Air Jordan 1

The Shoe's price is:-Rs. 6000.0

Enter the Shoe quantity to be purchased:-1

The final price of all products is:- Rs. 6000.0

Do you wish to make the payment?yes

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

Do you wish to make the payment?yes

Purchase Successful

Do you want to purchase more shoes?yes

Enter the Shoe's Name to be Purchased:-Air Jordan 1

The Shoe's price is:-Rs. 6000.0

Enter the Shoe quantity to be purchased:-2

The final price of all products is:- Rs. 12000.0

Do you wish to make the payment?yes

Purchase Successful

Do you want to purchase more shoes?no

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-4

Enter the Shoe Name to be deleted:-Air Jordan 1

Shoe Record Deleted Successfully

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-2

Enter the criteria to search with:-

1.Shoe Code

2.Shoe Brand

3.Shoe Name

4.View All

Enter your choice:-4

The shoe details are :-

(Shoe-Code, Shoe-Brand, Shoe-Name, Shoe-Price, Shoe-Color, Shoe-Launch, Shoe-Type, Shoe-Size)

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-5

Enter Customer Number:-1

Enter Customer Name:-Kunsh

Enter Phone Number:-9990159801

Enter Customer Address:-2/201 Second Floor Subhash Nagar New Delhi-110027

Enter Customer Gender(M/F):-M

Enter Membership Code(if any):-none

Customer Record added Successfully

Do you want to take another action? Enter yes/YES or no/NO:-yes

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

- 1.Add new Shoe Details
- 2.View All Shoe Details
- 3.Purchase new Shoe
- 4.Remove Shoe Details
- 5.Add New Customer Details
- 6.View Customer Details

Enter your choice:-6

Enter the criteria to search with:-

- 1.Customer Number
- 2.Customer Name
- 3.All Customers

Enter your choice:-1

Enter the Customer Number to be searched:-1

('1', 'Kunsh', '9990159801', '2/201 Second Floor Subhash Nagar New Delhi-110027', 'M', 'none')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

- 1.Add new Shoe Details
- 2.View All Shoe Details
- 3.Purchase new Shoe
- 4.Remove Shoe Details
- 5.Add New Customer Details
- 6.View Customer Details

Enter your choice:-6

Enter the criteria to search with:-

- 1.Customer Number
- 2.Customer Name

IDLE Shell 3.9.4

File Edit Shell Debug Options Window Help

6.View Customer Details

Enter your choice:-6

Enter the criteria to search with:-

1.Customer Number

2.Customer Name

3.All Customers

Enter your choice:-2

Enter the Customer Name to be searched:-Kunsh

('1', 'Kunsh', '9990159801', '2/201 Second Floor Subhash Nagar New Delhi-110027', 'M', 'none')

Do you want to take another action? Enter yes/YES or no/NO:-yes

***** Welcome to Sneaker Dream *****

Select your choice:-

1.Add new Shoe Details

2.View All Shoe Details

3.Purchase new Shoe

4.Remove Shoe Details

5.Add New Customer Details

6.View Customer Details

Enter your choice:-6

Enter the criteria to search with:-

1.Customer Number

2.Customer Name

3.All Customers

Enter your choice:-3

The Customer details are :-

(Customer-Number, Customer-Name, Customer-Phone, Customer-Address, Customer-Gender, Customer-Membership)

('1', 'Kunsh', '9990159801', '2/201 Second Floor Subhash Nagar New Delhi-110027', 'M', 'none')

Do you want to take another action? Enter yes/YES or no/NO:-no

Thanks for visiting Sneaker Dream

>>>

Activate Windows
Go to Settings

MySQL Outputs: -

```
MySQL 8.0 Command Line Cli X + v
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.20 MySQL Community Server - GPL

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sneakers |
| sys |
+-----+
5 rows in set (0.15 sec)

mysql> use sneakers;
Database changed
mysql> show tables;
+-----+
| Tables_in_sneakers |
+-----+
| customer_info |
| shoe_info |
+-----+
2 rows in set (0.07 sec)
```

```

MySQL 8.0 Command Line Cli x + v

mysql> use sneakers;
Database changed
mysql> show tables;
+-----+
| Tables_in_sneakers |
+-----+
| customer_info      |
| shoe_info          |
+-----+
2 rows in set (0.07 sec)

mysql> desc shoe_info;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| scode | varchar(5)    | NO   | PRI | NULL    |       |
| sbrand | varchar(5)    | YES  |     | NULL    |       |
| sname  | varchar(30)   | YES  |     | NULL    |       |
| sprice | varchar(10)   | YES  |     | NULL    |       |
| scolor | varchar(10)   | YES  |     | NULL    |       |
| slaunch | varchar(20)  | YES  |     | NULL    |       |
| stype  | char(1)       | YES  |     | NULL    |       |
| ssize  | varchar(5)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.04 sec)

mysql> desc customer_info;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cno   | varchar(5)    | NO   | PRI | NULL    |       |
| cname | varchar(20)   | YES  |     | NULL    |       |
| cphone | char(10)     | YES  |     | NULL    |       |
| caddress | varchar(50) | YES  |     | NULL    |       |
| cgender | char(1)      | YES  |     | NULL    |       |
| cmembership | varchar(10) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>

```

```

mysql> select * from shoe_info;
+-----+-----+-----+-----+-----+-----+-----+
| scode | sbrand | sname      | sprice | scolor | slaunch      | stype | ssize |
+-----+-----+-----+-----+-----+-----+-----+
| 1     | Nike   | Air Jordan 1 | 6000   | Red    | 19 April 1985 | U     | 10    |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from customer_info;
+-----+-----+-----+-----+-----+-----+-----+
| cno | cname | cphone | caddress | cgender | cmembership |
+-----+-----+-----+-----+-----+-----+-----+
| 1   | Kunsh | 9990159801 | 2/201 Second Floor Subhash Nagar New Delhi-110027 | M | none |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>

```

Learning Outcome: -