

SOURCE CODE:

```
import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",passwd="roja2021")

mycursor=mydb.cursor()

'''mycursor.execute("CREATE DATABASE GROCERY_MNGMNT48")'''

mycursor.execute("USE GROCERY_MNGMNT48")

'''mycursor.execute("CREATE TABLE SEASONAL_FRUITS(SNO INT,NAME
VARCHAR(15),PRICE FLOAT,UNITS VARCHAR(10),QUANTITY INT)')'''

mycursor.execute("CREATE TABLE PERSONAL_CARE(SNO INT,NAME
VARCHAR(15),BRAND VARCHAR(10),QUANTITY INT,PRICE FLOAT)")

mycursor.execute("CREATE TABLE STAPLES(SNO INT,NAME VARCHAR(15),BRAND
VARCHAR(20),QUANTITY INT,PRICE FLOAT,UNITS VARCHAR(10))")'''

def INSERT():

    mycursor.execute("INSERT INTO
SEASONAL_FRUITS(SNO,NAME,PRICE,UNITS)VALUES(1,'ORANGE',35.0,'PERKG')")

    mycursor.execute("INSERT INTO
SEASONAL_FRUITS(SNO,NAME,PRICE,UNITS)VALUES(2,'MANGO',66.0,'PERKG')")

    mycursor.execute("INSERT INTO
SEASONAL_FRUITS(SNO,NAME,PRICE,QUANTITY)VALUES(3,'PINEAPPLE',78.0,1)")

    mycursor.execute("INSERT INTO
SEASONAL_FRUITS(SNO,NAME,PRICE,QUANTITY)VALUES(4,'WATERMELON',60.0,1)")

    mycursor.execute("INSERT INTO
SEASONAL_FRUITS(SNO,NAME,PRICE,UNITS)VALUES(5,'GRAPEFRUIT',54.0,'PERKG')"
)

    mydb.commit()

    mycursor.execute("INSERT INTO PERSONAL_CARE
VALUES(1,'ORALCARE','COLGATE',1,35.0)")
```

```
mycursor.execute("INSERT INTO PERSONAL_CARE  
VALUES(2,'HAIRCARE','PANTENE',2,70.0)")
```

```
mycursor.execute("INSERT INTO PERSONAL_CARE  
VALUES(3,'BATHINGACC','CINTHOL',4,40.0)")
```

```
mycursor.execute("INSERT INTO PERSONAL_CARE  
VALUES(4,'PERFUMES','YARDLEY',1,120.0)")
```

```
mycursor.execute("INSERT INTO PERSONAL_CARE  
VALUES(5,'MAKEUP','NAILENAMAL',5,200.0)")
```

```
mydb.commit()
```

```
mycursor.execute("INSERT INTO STAPLES  
VALUES(1,'RICE','INDIAGATE',1,500.0,'PERKG')")
```

```
mycursor.execute("INSERT INTO STAPLES  
VALUES(2,'WHEAT','AASHIRVAAD',2,300.0,'PERKG')")
```

```
mycursor.execute("INSERT INTO STAPLES  
VALUES(3,'PULSES','MOONGDAL',4,100.0,'PERKG')")
```

```
mycursor.execute("INSERT INTO STAPLES  
VALUES(4,'EDIBLEOILS','FORTUNE',1,200.0,'PERLITRE')")
```

```
mycursor.execute("INSERT INTO STAPLES  
VALUES(5,'SPICES','SAKTHIMASALA',1,50.0,'HALFKG')")
```

```
mydb.commit()
```

```
def SEARCH(x,y):
```

```
    if x=="SEASONAL_FRUITS":
```

```
        mycursor.execute("select * from SEASONAL_FRUITS where name='{}'.format(y))
```

```
        for i in mycursor:
```

```
            print(i)
```

```
    if x=="PERSONAL_CARE":
```

```
        mycursor.execute("select * from PERSONAL_CARE where name='{}'.format(y))
```

```

    for i in mycursor:

        print(i)

if x=="STAPLES":

    mycursor.execute("select * from STAPLES where name='{}'.format(y))

    for i in mycursor:

        print(i)


def UPDATE(m,n):

    if m=="SEASONAL_FRUITS":

        mycursor.execute("update SEASONAL_FRUITS set PRICE=PRICE*2 where
name='{}'.format(n))

        print("successfully updated")

        mydb.commit()

        mycursor.execute("select * from SEASONAL_FRUITS")

        for i in mycursor:

            print(i)

    if m=="PERSONAL_CARE":

        mycursor.execute("update PERSONAL_CARE set PRICE=PRICE*2 where
name='{}'.format(n))

        print("successfully updated")

        mydb.commit()

        mycursor.execute("select * from PERSONAL_CARE")

        my=mycursor.fetchall()

        for i in my:

            print(i)

```

```

if m=="STAPLES":

    mycursor.execute("update STAPLES set PRICE=PRICE*2 where
name='{}'.format(n))

    print("successfully updated")

    mydb.commit()

    mycursor.execute("select * from STAPLES")

    for i in mycursor:

        print(i)


def DELETE(a,r):

    if a=="SEASONAL_FRUITS":

        mycursor.execute("delete from SEASONAL_FRUITS where name='{}'.format(r))

        mycursor.execute("select * from SEASONAL_FRUITS")

        for i in mycursor:

            print(i)

        print("successfelly deleted")

    if a=="PERSONAL_CARE":

        mycursor.execute("delete from PERSONAL_CARE where name='{}'.format(r))

        mycursor.execute("select * from PERSONAL_CARE")

        for i in mycursor:

            print(i)

        print("successfelly deleted")

    if a=="STAPLES":

        mycursor.execute("delete from STAPLES where name='{}'.format(r))

        mycursor.execute("select * from STAPLES")

```

```
for i in mycursor:  
    print(i)  
print("successfelly deleted")
```

```
def DISPLAY(t,p,qty):
```

```
    if t=="SEASONAL_FRUITS":
```

```
        mycursor.execute("select * from SEASONAL_FRUITS where name='{}'.format(p))
```

```
        prod=mycursor.fetchall()
```

```
        for i in prod:
```

```
            v=i[2]
```

```
            total=qty*v
```

```
            print(total)
```

```
    if t=="PERSONAL_CARE":
```

```
        mycursor.execute("select * from PERSONAL_CARE where name='{}'.format(p))
```

```
        prod=mycursor.fetchall()
```

```
        for i in prod:
```

```
            v=i[4]
```

```
            total=qty*v
```

```
            print(total)
```

```
    if t=="STAPLES":
```

```
        mycursor.execute("select * from STAPLES where name='{}'.format(p))
```

```
        prod=mycursor.fetchall()
```

```
        for i in prod:
```

```
            v=i[4]
```

```
            total=qty*v
```

```
        print(total)
ans="y"
while ans=="y":
    print("1.INSERT")
    print("2.SEARCH")
    print("3.UPDATE")
    print("4.DELETE")
    print("5.DISPLAY")
    c=int(input("enter 1 to 6"))
    if c==1:
        INSERT()
        ans=input("do you want to continue ?")
    elif c==2:
        x=input("enter seasonal_fruits or personal_care or staples")
        y=input("enter the orders")
        SEARCH(x,y)
        ans=input("do you want to continue ?")
    elif c==3:
        m=input("enter the seasonal_fruits or personal_care or staples")
        n=input("enter the products name to be updated")
        UPDATE(m,n)
        ans=input("do you want to continue ?")
    elif c==4:
        a=input("enter seasonal_fruits or personal_care or staples")
        r=input("enter the products name to be delete")
```

DELETE(a,r)

ans=input("do you want to continue ?")

elif c==5:

t=input("enter seasonal_fruits or personal_care or staples")

p=input("enter the product name to display the bill")

qty=int(input("enter quantity"))

DISPLAY(t,p,qty)

ans=input("do you want to continue ?")

OUTPUT

SCREENSHOTS:


```
MySQL 5.5 Command Line Client
Server version: 5.5.45 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 |
| grocery_mngmnt48 |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.00 sec)

mysql> use grocery_mngmnt48;
Database changed
mysql> show tables;
+-----+
| Tables_in_grocery_mngmnt48 |
+-----+
| personal_care |
| seasonal_fruits |
| staples |
+-----+
3 rows in set (0.00 sec)

mysql> desc personal_care;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| SNO | int(11) | YES | | NULL | |
| NAME | varchar(15) | YES | | NULL | |
| BRAND | varchar(10) | YES | | NULL | |
| QUANTITY | int(11) | YES | | NULL | |
| PRICE | float | YES | | NULL | |
+-----+
```

```
mysql> desc staples;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| SNO | int(11) | YES | | NULL | |
| NAME | varchar(15) | YES | | NULL | |
| BRAND | varchar(10) | YES | | NULL | |
| QUANTITY | int(11) | YES | | NULL | |
| PRICE | float | YES | | NULL | |
+-----+
3 rows in set (0.00 sec)

mysql> desc personal_care;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| SNO | int(11) | YES | | NULL | |
| NAME | varchar(15) | YES | | NULL | |
| BRAND | varchar(10) | YES | | NULL | |
| QUANTITY | int(11) | YES | | NULL | |
| PRICE | float | YES | | NULL | |
+-----+
5 rows in set (0.13 sec)

mysql> desc seasonal_care;
ERROR 1146 (42S02): Table 'grocery_mngmnt48.seasonal_care' doesn't exist
mysql> desc seasonal_fruits;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| SNO | int(11) | YES | | NULL | |
| NAME | varchar(15) | YES | | NULL | |
| PRICE | float | YES | | NULL | |
| UNITS | varchar(10) | YES | | NULL | |
| QUANTITY | int(11) | YES | | NULL | |
+-----+
5 rows in set (0.03 sec)

mysql> desc staples;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| SNO | int(11) | YES | | NULL | |
| NAME | varchar(15) | YES | | NULL | |
| BRAND | varchar(20) | YES | | NULL | |
| QUANTITY | int(11) | YES | | NULL | |
| PRICE | float | YES | | NULL | |
| UNITS | varchar(10) | YES | | NULL | |
+-----+
6 rows in set (0.03 sec)

mysql> select * from personal_care;
```

```
| UNITS | varchar(10) | YES | NULL |  
+-----+-----+-----+-----+  
6 rows in set (0.03 sec)
```

```
mysql> select * from personal_care;
```

```
+-----+-----+-----+-----+  
| SNO | NAME | BRAND | QUANTITY | PRICE |  
+-----+-----+-----+-----+  
| 1 | ORALCARE | COLGATE | 1 | 35 |  
| 2 | HAIRCARE | PANTENE | 2 | 140 |  
| 3 | BATHINGACC | CINTHOL | 4 | 40 |  
| 4 | PERFUMES | YAROLEY | 1 | 120 |  
| 5 | MAKEUP | MAILENAMAL | 5 | 200 |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

```
mysql> select *from seasonal_fruits;
```

```
+-----+-----+-----+-----+  
| SNO | NAME | PRICE | UNITS | QUANTITY |  
+-----+-----+-----+-----+  
| 1 | ORANGE | 35 | PERKG | NULL |  
| 2 | MANGO | 66 | PERKG | NULL |  
| 3 | PINEAPPLE | 78 | NULL | 1 |  
| 4 | WATERMELON | 60 | NULL | 1 |  
| 5 | GRAPEFRUIT | 54 | PERKG | NULL |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

```
mysql> select * from staples;
```

```
+-----+-----+-----+-----+  
| SNO | NAME | BRAND | QUANTITY | PRICE | UNITS |  
+-----+-----+-----+-----+  
| 1 | RICE | INDIAGATE | 1 | 500 | PERKG |  
| 2 | WHEAT | AASHIRVAAD | 2 | 300 | PERKG |  
| 3 | PULSES | MOONGDAL | 4 | 100 | PERKG |  
| 4 | EDIBLEOILS | FORTUNE | 1 | 200 | PERLITRE |  
| 5 | SPICES | SAKTHIMASALA | 1 | 50 | HALFKG |  
+-----+-----+-----+-----+  
5 rows in set (0.31 sec)
```

```
mysql>
```



Type here to search



20:30
25-02-2021



```
Python 3.8.1 Shell
File Edit Shell Debug Options Window Help

1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 61
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 62
enter seasonal_fruits or personal_care or staplesSEASONAL_FRUITS
enter the orderorange
(1, 'ORANGE', 35.0, 'PERKG', None)
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 63
enter the seasonal_fruits or personal_care or staplesPERSONAL_CARE
enter the products name to be updatedhaircare
successfully updated
(1, 'ORALCARE', 'COLGATE', 1, 35.0)
(2, 'HAIRCARE', 'PANTENE', 2, 140.0)
(3, 'BATHINGACC', 'CINTHOL', 4, 40.0)
(4, 'PERFUMES', 'YARDLEY', 1, 120.0)
(5, 'MAKEUP', 'NAILENAMAL', 5, 200.0)
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 64
enter seasonal_fruits or personal_care or staplesSTAPLES
enter the products name to be deleterice
(2, 'WHEAT', 'AASHIRVAAD', 2, 300.0, 'PERKG')
```

Ln: 168 Col: 4

Type here to search

20:31 25-02-2021

```
Python 3.8.1 Shell
File Edit Shell Debug Options Window Help
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 63
enter the seasonal_fruits or personal_care or staplesPERSONAL_CARE
enter the products name to be updatedhaircare
successfully updated
(1, 'ORALCARE', 'COLGATE', 1, 35.0)
(2, 'HAIRCARE', 'PANTENE', 2, 140.0)
(3, 'BATHINGACC', 'CINTHOL', 4, 40.0)
(4, 'PERFUMES', 'YARDLEY', 1, 120.0)
(5, 'MAKEUP', 'NAILENAMAL', 5, 200.0)
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 64
enter seasonal_fruits or personal_care or staplesSTAPLES
enter the products name to be deleteice
(2, 'WHEAT', 'AASHIRVAAD', 2, 300.0, 'PERKG')
(3, 'PULSES', 'MOONGDAL', 4, 100.0, 'PERKG')
(4, 'EDIBLEOILS', 'FORTUNE', 1, 200.0, 'PERLITRE')
(5, 'SPICES', 'SAKTHIMASALA', 1, 50.0, 'HALFKG')
successfully deleted
do you want to continue ?y
1.INSERT
2.SEARCH
3.UPDATE
4.DELETE
5.DISPLAY
enter 1 to 65
enter seasonal_fruits or personal_care or staplesSEASONAL_FRUITS
enter the product name to display the billorange
enter quantity5
175.0
do you want to continue ?n
>>>
```

Ln: 168 Col: 4

Windows taskbar: Type here to search, 20:31, 25-02-2021