



PYTHON PROJECT WITH SQL CONNECTIVITY

FAST FOOD JOINT
DATABASE MANAGEMENT

BY: NAVANEETH SIVAKUMAR

ADITHYA SRIKANTH

VITHUN BALAJI

PROGRAM DESCRIPTON:

This project is based on the way in which the billing is done in a fast food joint. The fast food joint database management system is a software designed for the user to keep account of the sales happening in a day. This is used to compute the amount of sales and the profit or loss of the fast food joint for that particular day. The program is coded in python version 3.9.1 and data is defined in mySQL 8.0 command line client. The user takes in the query for each order and appends the item ordered by the quantity ordered. A function is used to calculate the number of order, the total amount of sales and the profit earned by the manager per day. This function allows the user to append the items when an order is placed, delete when the order is cancelled and count the total amount of sales in that particular day. This function helps the user do his job in a much effective and easier way by the help of a program instead of pen and paper.

OBJECTIVE:

The objective of this project is to let the students apply the programming knowledge that they know in the real world and show how programming skills help to do things in a much easier way using python, sql and my sql connector.

- Apply object oriented programming principles effectively when developing small to medium sized projects.

- Write effective procedural code to solve small to medium sized problems.
- Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of systems, theory and software development.
- Write programs utilizing modern software tools.
- Students will demonstrate ability to conduct a research or applied Computer Science project, requiring writing and presentation skills which exemplify scholarly style in computer science.

PROGRAM:

```
import mysql.connector as sql
con=sql.connect(host='localhost',user='root',passwd='omega',database='food')
if con.is_connected():
    print('connection success')
print('''
FFFFFFFFFF      A          SSSSSSSSSS      TTTTTTTTTTTT
F              A A          S                  T
FFFFFFFFFF      A   A        SSSSSSSSSS      T
F              AAAAAAAA          S          T
F              A       A          S          T
F              A       A        SSSSSSSSSS      T
''')

FFFFFFFFFF      0000000000      0000000000      DDDD
F              0       0          0       0          D       D
FFFFFFFFFF      0       0          0       0          D       D
F              0       0          0       0          D       D
F              0       0          0       0          D       D
F              0000000000      0000000000      DDDD
'''))

c=con.cursor()

print('''
1) start of day
2) after break''')

choice=int(input('enter choice: '))

if choice==1:
    q1="delete from customer"
    c.execute(q1)
    con.commit()
    #change menu to change the selling price of each item of a day or add more items
    y=input('wanna change the menu?(y/n)')
    if y=='y':
        d='delete from menu'
        c.execute(d)
        con.commit()
        t=True
        sno=1
        while t:
            item=input('item:')
            price=int(input('price of 1 item: '))
            ins ='insert into menu(sno,item,price) values (%s,%s,%s)'
            f=(sno,item,price)
            c.execute(ins,f)
            con.commit()
            y=input('wanna add more items?(y/n)')
            sno+=1
            if y=='y':
                continue
            else:
                t=False
                break
    else:
        print('menu')
```

```

#change sales to change the buying price of each item of a day or add more items
y=input('wanna change the sales table?(y/n)')
if y=='y':
    d='TRUNCATE TABLE sales'
    c.execute(d)
    con.commit()
    t=True
    sno=1
    while t:
        item=input('item:')
        quantity=0
        price=int(input('price of 1 item: '))
        total=0
        ins ='insert into sales(sno,item,quantity,price,total) values (%s,%s,%s,%s,%s)'
        f=(sno,item,quantity,price,total)
        c.execute(ins,f)
        con.commit()
        y=input('wanna add more items?(y/n)')
        sno+=1
        if y=='y':
            continue
        else:
            t=False
            break
    else:
        u='update sales set quantity=%s'%(0)
        v='update sales set total=%s'%(0)
        c.execute(u)
        c.execute(v)
        con.commit()
        print('WELCOME')
if choice==2:
    print('WELCOME BACK')

ono=1
t=True
while t:
    print('''
1) see menu
2) take order in
3) cancel order
4) break
5) end of day''')
    choice=int(input('enter choice: '))

    if choice==1:
        c.execute('select * from menu')
        m=c.fetchall()
        for i in m:
            print(i)
    y=input('wanna order?(y/n)')
    if y=='y':
        choice=2
    else:
        print('NEXT CUSTOMER PLS')
        continue

```

```

if choice==2:
    tot=0
    orr=[]
    while True:
        order=input('name one item: ')
        q=int(input('quantity of that item: '))
        c.execute('update sales set quantity=quantity+%s where item=%s'%(q,order))
        con.commit()
        c=con.cursor()
        c.execute('select price from menu where item=%s'%(order))
        x=c.fetchall()
        t1=int(x[0][0])*q
        tot+=t1
        c.execute('select price from sales where item=%s'%(order))
        x1=c.fetchall()
        t2=int(x1[0][0])*q
        c.execute('update sales set total=%s where item=%s'%(t2,order))
        con.commit()
        print('check order \n',order,'\\n',t1,'\\n','total=',tot)
        y=input('wanna continue?(y/n)')
        if y=='y':
            continue
        else:
            print('total bill amt is ',tot)
            g=int(input('how much would you like to pay: '))
            print('give change:',g-tot)
            break
    cname=input('cname:')
    cno=int(input('cno (enter your number):'))
    total=tot
    ins=('insert into customer values(%s,"%s",%s,%s)')
    qz=(ono,cname,cno,total)
    c.execute(ins,qz)
    con.commit()
    ono+=1
#EVERY 100TH PERSON WHO ORDERS GETS A FREE BURGER
    if ono%100==0:
        print('***')
CONGRATULATIONS * *
YOU WON A FREE BURGER o ***
    a=1
    o='veg burger'
    c.execute('update sales set quantity=quantity+%s where item=%s'%(a,o))
    con.commit()
    c=con.cursor()
    print('NEXT CUSTOMER PLS')

if choice==3:
    #changes happen in customer table and not in sales table as it is a loss for the franchise
    print('CANCELLATION OF TOTAL BILL')
    o=int(input('your order no:'))
    de='delete from customer where ono=%s'%(o)
    c.execute(de)
    con.commit()
    print('NEXT CUSTOMER PLS')

```

```

if choice==4:
    print('RUN PROGRAM AGAIN TO COME BACK')
    break

if choice==5:
#shows sales table to see the number of people opting each item
    bye='select * from sales'
    c.execute(bye)
    byebye=c.fetchall()
    bye1='select * from customer'
    c.execute(bye1)
    byebye1=c.fetchall()
    for i in byebye:
        print(i)
    print('\n'*3)
    for i in byebye1:
        print(i)
    total='select sum(total) from sales'
    c.execute(total)
    sum1=c.fetchall()
    s1=int(sum1[0][0])
#total amount of sales that day
    c.execute('select sum(total) from customer')
    sum2=c.fetchall()
    s2=int(sum2[0][0])
    tsum=s2-s1
    print('total sales today is ',s2)
#shows if the franchise had a profit or a loss
    if tsum>0:
        print('total profit today is ',tsum)
    elif tsum<0:
        print('total loss today is ',-1*tsum)
    else:
        print('no profit no loss')
    a=0
    c.execute("select item from sales")
    x=c.fetchall()
    for i in x:
        l=i[0]
        c.execute("update sales set quantity=%s where item='%s'"%(a,l))
    print('BYE BYE')
    t=False

if choice not in(1,2,3,4,5):
    print("enter proper value")
    continue

```

OUTPUT:

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 b
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\LENOVO\Documents\pog\COMP0118.py =====
connection success

FFFFFFF      A          SSSSSSSS      TTTTTTTT
F          A A          S                  T
FFFFFFF      A  A          SSSSSSSS      T
F          AAAAAAA          S                  T
F          A      A          S                  T
F          A      A          SSSSSSSS      T

FFFFFFF      00000000      00000000      DDDD
F          O      O          O      O      D      D
FFFFFFF      O      O          O      O      D      D
F          O      O          O      O      D      D
F          O      O          O      O      D      D
F          00000000      00000000      DDDD

1) start of day
2) after break
enter choice: 1
wanna change the menu?(y/n)y
item:fries
price of 1 item: 40
wanna add more items?(y/n)y
item:veg burger
price of 1 item: 50
wanna add more items?(y/n)y
item:non veg burger
price of 1 item: 60
wanna add more items?(y/n)y
item:veg pizza
price of 1 item: 100
wanna add more items?(y/n)y
```

```
item:non veg pizza
price of 1 item: 120
wanna add more items?(y/n)y
item:veg wrap
price of 1 item: 70
wanna add more items?(y/n)y
item:panner wrap
price of 1 item: 80
wanna add more items?(y/n)y
item:chicken wrap
price of 1 item: 90
wanna add more items?(y/n)y
item:taco veg
price of 1 item: 50
wanna add more items?(y/n)y
item:taco non veg
price of 1 item: 70
wanna add more items?(y/n)y
item:coke
price of 1 item: 40
wanna add more items?(y/n)y
item:water 250 ml
price of 1 item: 20
wanna add more items?(y/n)y
item:water 500 ml
price of 1 item: 40
wanna add more items?(y/n)n
wanna change the sales table?(y/n)y
item:fries
price of 1 item: 30
wanna add more items?(y/n)y
item:veg burger
price of 1 item: 40
wanna add more items?(y/n)y
item:non veg burger
price of 1 item: 50
wanna add more items?(y/n)y
item:veg pizza
price of 1 item: 90
wanna add more items?(y/n)y
```

```
item:non veg pizza
price of 1 item: 100
wanna add more items?(y/n)y
item:veg wrap
price of 1 item: 60
wanna add more items?(y/n)y
item:panner wrap
price of 1 item: 65
wanna add more items?(y/n)y
item:chicken wrap
price of 1 item: 80
wanna add more items?(y/n)y
item:taco veg
price of 1 item: 35
wanna add more items?(y/n)y
item:taco non veg
price of 1 item: 45
wanna add more items?(y/n)y
item:coke
price of 1 item: 40
wanna add more items?(y/n)y
item:water 250 ml
price of 1 item: 18
wanna add more items?(y/n)y
item:water 500 ml
price of 1 item: 36
wanna add more items?(y/n)n
```

```
1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 1
(1, 'fries', 40)
(2, 'veg burger', 50)
(3, 'non veg burger', 60)
(4, 'veg pizza', 100)
(5, 'non veg pizza', 120)
(6, 'veg wrap', 70)
(7, 'panner wrap', 80)
(8, 'chicken wrap', 90)
(9, 'taco veg', 50)
(10, 'taco non veg', 70)
(11, 'coke', 40)
(12, 'water 250 ml', 20)
(13, 'water 500 ml', 40)
wanna order?(y/n)y
```

```
name one item: fries
quantity of that item: 6
check order
fries
240
total= 240
wanna continue?(y/n)y
name one item: panner wrap
quantity of that item: 6
check order
panner wrap
480
total= 720
wanna continue?(y/n)y
name one item: coke
quantity of that item: 6
check order
coke
240
total= 960
wanna continue?(y/n)y
name one item: veg pizza
quantity of that item: 2
check order
veg pizza
200
total= 1160
wanna continue?(y/n)n
total bill amt is 1160
how much would you like to pay: 1500
give change: 340
cname:Sundar
cno (enter your number):28403123
NEXT CUSTOMER PLS
```

```
1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 2
name one item: fries
quantity of that item: 2
check order
fries
80
total= 80
wanna continue?(y/n)n
total bill amt is  80
how much would you like to pay: 100
give change: 20
cname:vithun
cno (enter your number):36288042
NEXT CUSTOMER PLS

1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 2
name one item: veg burger
quantity of that item: 1
check order
veg burger
50
total= 50
wanna continue?(y/n)n
total bill amt is  50
how much would you like to pay: 50
give change: 0
cname:adithya
cno (enter your number):12346789
NEXT CUSTOMER PLS
```

```
1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 2
name one item: taco veg
quantity of that item: 2
check order
taco veg
100
total= 100
wanna continue?(y/n)y
name one item: fries
quantity of that item: 2
check order
fries
80
total= 180
wanna continue?(y/n)n
total bill amt is 180
how much would you like to pay: 200
give change: 20
cname:navaneeth
cno (enter your number):12356789
NEXT CUSTOMER PLS

1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 4
RUN PROGRAM AGAIN TO COME BACK
>>>
```

END OF SHIFT 1 OF DAY 1

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] c
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\LENOVO\Documents\pog\COMP0118.py =====
connection success

FFFFFFF      A      SSSSSSSS      TTTTTTTT
F      A A      S          T
FFFFFFF      A  A      SSSSSSSS      T
F      AAAAAAA      S          T
F      A      A      S          T
F      A      A      SSSSSSSS      T

FFFFFFF      00000000      00000000      DDDD
F      O      O      O      O      D      D
FFFFFFF      O      O      O      O      D      D
F      O      O      O      O      D      D
F      O      O      O      O      D      D
F      00000000      00000000      DDDD

1) start of day
2) after break
enter choice: 2
WELCOME BACK
```

```
1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 2
name one item: taco non veg
quantity of that item: 6
check order
taco non veg
420
total= 420
wanna continue?(y/n)y
name one item: veg burger
quantity of that item: 6
check order
veg burger
300
total= 720
wanna continue?(y/n)n
total bill amt is 720
how much would you like to pay: 750
give change: 30
cname:saketh
cno (enter your number):24121102
NEXT CUSTOMER PLS

1) see menu
2) take order in
3) cancel order
4) break
5) end of day
enter choice: 5
(1, 'fries', 10, 30, 60)
(2, 'veg burger', 7, 40, 240)
(3, 'non veg burger', 0, 50, 0)
(4, 'veg pizza', 2, 90, 180)
(5, 'non veg pizza', 2, 100, 200)
(6, 'veg wrap', 0, 60, 0)
(7, 'panner wrap', 6, 65, 390)
(8, 'chicken wrap', 6, 80, 480)
```

```
enter choice: 5
(1, 'fries', 10, 30, 60)
(2, 'veg burger', 7, 40, 240)
(3, 'non veg burger', 0, 50, 0)
(4, 'veg pizza', 2, 90, 180)
(5, 'non veg pizza', 2, 100, 200)
(6, 'veg wrap', 0, 60, 0)
(7, 'panner wrap', 6, 65, 390)
(8, 'chicken wrap', 6, 80, 480)
(9, 'taco veg', 2, 35, 70)
(10, 'taco non veg', 6, 45, 270)
(11, 'coke', 6, 40, 240)
(12, 'water 250 ml', 0, 18, 0)
(13, 'water 500 ml', 0, 36, 0)

(1, "'Sundar'", 28403123, 1160)
(2, "'vithun'", 36288042, 80)
(3, "'adithya'", 12346789, 50)
(4, "'navaneeth'", 12356789, 180)
(1, "'purushotaman'", 96420127, 780)
(2, "'saketh '", 24121102, 720)
total sales today is 2970
total profit today is 840
BYE BYE
>>>
```

END OF DAY 1

SQL TABLES:

Menu:

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 55
Server version: 8.0.22 MySQL Community Server - GPL

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql> use food;
Database changed
mysql> select * from menu;
+----+-----+-----+
| sno | item           | price |
+----+-----+-----+
|   1 | fries          |    40 |
|   2 | veg burger     |    50 |
|   3 | non veg burger |    60 |
|   4 | veg pizza      |   100 |
|   5 | non veg pizza  |   120 |
|   6 | veg wrap       |    70 |
|   7 | panner wrap    |    80 |
|   8 | chicken wrap   |    90 |
|   9 | taco veg       |    50 |
|  10 | taco non veg  |    70 |
|  11 | coke           |    40 |
|  12 | water 250 ml  |    20 |
|  13 | water 500 ml  |    40 |
+----+-----+-----+
13 rows in set (0.00 sec)
```

Customer & Sales Table:

```
mysql> select * from customer;
```

ono	name	pno	total
1	'Sundar'	28403123	1160
2	'vithun'	36288042	80
3	'adithya'	12346789	50
4	'navaneeth'	12356789	180
1	'purushotaman'	96420127	780
2	'saketh '	24121102	720

```
6 rows in set (0.00 sec)
```

```
mysql> select * from sales;
```

sno	item	quantity	price	total
1	fries	10	30	60
2	veg burger	7	40	240
3	non veg burger	0	50	0
4	veg pizza	2	90	180
5	non veg pizza	2	100	200
6	veg wrap	0	60	0
7	panner wrap	6	65	390
8	chicken wrap	6	80	480
9	taco veg	2	35	70
10	taco non veg	6	45	270
11	coke	6	40	240
12	water 250 ml	0	18	0
13	water 500 ml	0	36	0

```
13 rows in set (0.00 sec)
```

```
mysql> -
```

HARDWARE REQUIREMENTS:

OPERATING SYSTEM: MS Windows 10

PROCESSOR: AMD Opteron

ACCESSORIES:

- Mouse
- Monitor
- Keyboard

SOFTWARE REQUIREMENTS:

- Python version 3.8.5 or above
- MySQL 8.0 command line client version 8.0.22
- MySQL connector