

PYTHON PROJECT

**TOPIC --- PHARMACY
MANAGEMENT**

**NAME - YASH KHANDELWAL
CLASS-XII-B**

**SUBMITTED TO-
MS. ANUPRERNA SHARMA**



CERTIFICATE

**This is to certify that YASH KHANDELWAL of
CLASS XII-B has satisfactorily completed his
computer science project as prescribed by
COMPUTER SCIENCE TEACHER during the
academic year 2019-2020.**

Teacher Name - Ms. ANUPRERNA SHARMA

Teacher Signature -

Acknowledgement

“I would like to take this opportunity to thank my teacher Ms. Anuprerna Sharma whose unstinted support, guidance and encouragement has enabled me to complete this project. I would also like to thank my parents for their support and efforts.”

PHARMACY MANAGEMENT

```
import itertools  
import matplotlib.pyplot as plt
```

#DICTIONARY

```
d = {"COMBIFLAM": [50, 1, 1, 1234],  
     "DIGENE": [100, 1, 1, 1235],  
     "DOLO": [75, 1, 1, 1236],  
     "PANTOP": [100, 1, 1, 1237],  
     "RAMISEV": [50, 1, 1, 1238],  
     "SELOKEN": [70, 1, 2, 1239],  
     "TAZLOC": [50, 1, 2, 1240],  
     "BETADINE": [150, 1, 2, 1241],  
     "DRISHIT": [70, 1, 2, 1242],  
     "SOFRAMYCIN": [100, 1, 2, 1243],  
     "RABESEC": [50, 1, 3, 1244],  
     "CALPOL": [50, 1, 3, 1245],  
     "CITREZENE": [100, 1, 3, 1246],  
     "AZETHRAL": [100, 1, 3, 1247],  
     "BUPROFEN": [150, 1, 3, 1248],  
     "AMPOXIN": [100, 1, 4, 1249],  
     "ATARAX": [70, 1, 4, 1250],  
     "CROCIN": [100, 1, 4, 1251]}
```

"ARISIOZYME" [70,1,4,1261]
"TACODERM" [50,1,4,1261]
"USQ-D" [110,2,1,1261]
"OMNIGEL" [100,2,1,1261]
"YOUNE" [100,2,1,1261]
"AVOMINE" [75,2,1,1261]
"SAVILON" [150,2,1,1261]
"BEVON" [100,2,2,1261]
"INC" [50,2,2,1261]
"BENOVATE" [100,2,2,1261]
"CRÉMAFFIN" [70,2,2,1261]
"THROMBOPHOB" [50,2,2,1261]
"OCUPOL" [70,2,3,1261]
"ORACLEAR-S" [100,2,3,1261]
"MAHAZEF" [50,2,3,1261]
"CLAMPID" [75,2,3,1261]
"MOBIZOX" [50,2,3,1261]
"LANOXIN" [100,2,4,1261]
"TEARDROPS" [100,2,4,1261]
"ZINASE-D" [70,2,4,1261]
"PHENERGAN" [100,2,4,1261]
"SINAREST" [75,2,4,1261]
"STODAL" [150,3,1,1261]
"PICLUN" [55,3,1,1261]
"KUFRAKSHAK" [70,3,1,1261]
"JOSHINA" [60,3,1,1261]
"BUGESIC" [100,3,1,1261]

"APTMUSI" [25,3,2,1277],
"SPARACID" [55,3,2,1280],
"RHEUMA-SAL" [100,3,2,1281],
"SCABOIL" [79,3,2,1282],
"TIKUK" [100,3,2,1283],
"MEFTAL-P" [77,3,3,1284],
"PARACIP" [95,3,3,1285],
"EMESET" [50,3,3,1286],
"KUKA" [100,3,3,1287],
"NIMSIM" [70,3,3,1288],
"CAVMOXID" [120,3,4,1289],
"NAZOCLEAR" [55,3,4,1290],
"SULPHUR-OINTMENT" [100,3,4,1291],
"HALOVATE" [95,3,4,1292],
"ORA-SORE" [100,3,4,1293],
"NEOSPORIN" [75,4,1,1294],
"PARACETAMOL" [100,4,1,1295],
"SUPRADYN" [77,4,1,1296],
"ALLEGRA" [40,4,1,1297],
"CALCITAS" [94,4,1,1298],
"DUOLIN" [120,4,2,1300],
"PROTERA-D" [90,4,2,1301],
"ULTRACET" [81,4,2,1302],
"ULTRANURON" [66,4,2,1303],
"FLEXON" [120,4,2,1304],
"NERICARD" [150,4,3,1305],
"BICOSUL" [120,4,3,1306].

"DISPRIN":[100,4,3,1307],
"SEPTRA":[60,4,3,1308],
"ALDACTONE":[160,4,3,1309],
"NUCOXIA":[200,4,4,1310],
"BUDECORT":[100,4,4,1311],
"OMNACORTIL":[55,4,4,1312],
"AMBRODIL":[80,4,4,1313],
"CALOSOFT LOTION":[89,4,4,1314],
"METROGYL":[122,5,1,1315],
"VOVERAN":[100,5,1,1316],
"REFID PLUS":[111,5,1,1317],
"CHESTON":[110,5,1,1318],
"LEVOLINT":[66,5,1,1319],
"COLIMEX":[122,5,2,1320],
"ROCLAV":[55,5,2,1321],
"VENTRYL":[78,5,2,1322],
"ZEAL SYRUP":[56,5,2,1323],
"MAXTRA":[89,5,2,1324],
"HICET":[130,5,3,1325],
"MEFAST 100":[100,5,3,1326],
"COLISPAS":[90,5,3,1327],
"CIPROFLOXACIN":[112,5,3,1328],
"OFLOXACIN":[89,5,3,1329],
"AUGEMENTIN":[132,5,4,1330],
"ZYTEE":[44,5,4,1331],
"OTRIVIN":[88,5,4,1332],
"SENSUR":[90,5,4,1333]

VICKS-[133,5,4,1334]

sno=1

=11

FUNCTIONS

#SEARCH FOR PRODUCTS

```
def func1():

    def func2():
        l1=list(d.keys())
        sw2_1=str(ew2.get())
        sw2_2=sw2_1.upper()
        for i in range(0,len(l1)):

            if sw2_2==l1[i]:
                w2_1=d.get(sw2_2)
                txt=w2_2+' is in shelf no.'+str(w2_1[2])+' and in box no.'+str(w2_1[1])
                tw2_1=tk.Text(w2,height=70,width=40)
                tw2_1.insert(tk.END,txt)
                tw2_1.grid(column=1,row=1)
                break

        else:
```

```
if sw2.2+ IS NOT AVAILABLE:  
    tw2>tk.Entry(w2,height=70,width=40)  
    tw2.2.insert(1tk.END,ix1)  
    tw2.2.grid(column=1,row=1)  
  
def funcw2():  
    w2.destroy()  
  
w2=tk.Tk()  
w2.title('SEARCH FOR PRODUCTS')  
w2.geometry('600x600')  
w2.configure(bg='light green')  
l1w2=tk.Label(w2,text="ENTER NAME ",font=("Arial Black",12),bg='white')  
l1w2.grid(column=0,row=0)  
ew2=tk.Entry(w2,width=40)  
ew2.grid(column=1,row=0)  
bw2=tk.Button(w2,text=" SEARCH ",font=("Arial Black",12),bg='white',command=funcw2)  
bw2.grid(column=2,row=0)  
bw2_1=tk.Button(w2,text=" EXIT ",font=("Arial Black",12),bg='white',command=funcw2_1)  
bw2_1.grid(column=3,row=0)  
w2.mainloop()
```

#ORDER PRODUCTS

```
def func2():
    def funcw3_1():
        f=open('Order.txt','a')
        sw3_1=str(ew3.get())
        sw3_2=sw3_1.upper()
        f.write(sw3_2)
        f.write('\n')
        f.close()

    def funcw3_2():
        w3.destroy()

    w3=tk.Tk()
    w3.title("ORDER PRODUCTS")
    w3.geometry("650x500")
    w3.configure(bg="light green")

    lw3=tk.Label(w3,text="ENTER NAME ",font=("Arial Black",12),bg="white")
    lw3.grid(column=0,row=0)

    ew3=tk.Entry(w3,width=40)
    ew3.grid(column=1,row=0)

    bw3_1=tk.Button(w3,text=" ADD ",font=("Arial Black",12),bg='white',command=funcw3_1)
    bw3_1.grid(column=2,row=0)

    bw3_2=tk.Button(w3,text=" EXIT ",font=("Arial Black",12),bg='white',command=funcw3_2)
    bw3_2.grid(column=3,row=0)

    w3.mainloop()
```

#SHOW ORDER LIST

```
def func3():
    f=open("Order.txt",'r')
    l1=f.readlines()
    l2=[]
    for i in l1:
        l2.append(i.strip("\n"))
    m=mysql.connect(host="localhost",user="",passwd="1234",database="pharmacy")
    c1=m.cursor()
    c1.execute("CREATE TABLE ORDER(MEDICINES VARCHAR(20))")
    for i in l2:
        c2=m.cursor()
        t=( "INSERT INTO ORDER(MEDICINES) VALUES(%s)" )
        c2.execute(t,i)
    c3=m.cursor()
    c3.execute("SELECT * FROM ORDER")
    m.close()
```

#PRINT INVOICE

```
def func4():
    pass

def funcw4_1():
    d={}

    l2=list(d.keys())
    if sw4_2 in l2:
        mw4_1=d.get(sw4_2)
        sw4_16=mw4_1[0]
        sw4_17=mw4_1[3]

mw4=sql.connect(host='localhost',user='root',passwd='1234',database='pharmacy')
cw4_1=mw4.cursor()
cw4_1.execute("CREATE TABLE INVOICE(SNO VARCHAR(20),MEDICINE_NAME"
              "VARCHAR(20),BATCH_NO VARCHAR(10),PRICE INT(10))")

sw4_1=str(cw4_1.get())
sw4_2=sw4_1.upper()
sw4_3=str(sw4_2.get())
sw4_4=sw4_3.upper()
sw4_5=str(sw4_2.get())
sw4_6=sw4_5.upper()
sw4_7=str(sw4_3.get())
sw4_8=sw4_7.upper()
sw4_9=str(sw4_4.get())
sw4_10=sw4_9.upper()
```

```
sw4_11=stt(ew4_5.get())
sw4_12=sw4_11.upper()
sw4_13=stt(ew4_6.get())
sw4_14=sw4_13.upper()
sw4_15=[0]+1
```

```
cw4_2=mw4.cursor()
fw4="INSERT INTO INVOICE(SNO MEDICINE NAME BATCH NAME PRICE)
VALUES(%s,%s,%s,%s,%s)"
dw4=[sw4_15,sw4_2,sw4_17,sw4_16]
```

```
cw4_2.execute(fw4,dw4)
```

```
mw4.commit()
```

```
mw4.close()
```

```
elif sw4_2 not in l2:
```

```
txt=sw4_2+' is not available'
```

```
tw4_1=tk.Text(w4,height=70,width=40)
```

```
tw4_1.insert(tk.END,txt)
```

```
tw4_1.grid(column=1,row=7)
```

```
w4=tk.Tk()
```

```
w4.title("ORDER PRODUCTS")
```

```
w4.geometry("750x500")
```

```
w4.configure(bg='light green')
```

```
tw4_1=tk.Label(w4,text='ENTER NAME OF THE MEDICINE',font="AFCI BOOK",bg='white')
```

```
w4_1.grid(column=0,row=0)
ew4_1=tk.Entry(w4,width=40)
ew4_1.grid(column=1,row=0)

w4_2=tk.Label(w4,text="ENTER NAME ",font=("Arial Black",12),bg="white")
w4_2.grid(column=0,row=1)
ew4_2=tk.Entry(w4,width=40)
ew4_2.grid(column=1,row=1)

w4_3=tk.Label(w4,text="ENTER MOBILE NUMBER ",font=("Arial Black",12),bg="white")
w4_3.grid(column=0,row=2)
ew4_3=tk.Entry(w4,width=40)
ew4_3.grid(column=1,row=2)

w4_4=tk.Label(w4,text="ENTER ADDRESS ",font=("Arial Black",12),bg="white")
w4_4.grid(column=0,row=3)
ew4_4=tk.Entry(w4,width=40)
ew4_4.grid(column=1,row=3)

w4_5=tk.Label(w4,text="CITY ",font=("Arial Black",12),bg="white")
w4_5.grid(column=0,row=4)
ew4_5=tk.Entry(w4,width=40)
ew4_5.grid(column=1,row=4)

w4_6=tk.Label(w4,text="STATE ",font=("Arial Black",12),bg="white")
w4_6.grid(column=0,row=5)
ew4_6=tk.Entry(w4,width=40)
ew4_6.grid(column=1,row=5)

w4_7=tk.Label(w4,text="PINCODE ",font=("Arial Black",12),bg="white")
w4_7.grid(column=0,row=5)
ew4_7=tk.Entry(w4,width=40)
ew4_7.grid(column=1,row=5)
```

```
bw4_1=tk.Button(w4,text= " ADD ",font=("Arial Black",12),bg='white',command=funcw4_1)
bw4_1.grid(column=3,row=0)

bw4_2=tk.Button(w4,text=" DELETE ",font=("Arial Black",12),bg='white')
bw4_2.grid(column=4,row=0)

bw4_3=tk.Button(w4,text=" PRINT ",font=("Arial Black",12),bg='white')
bw4_3.grid(column=1,row=6)

w4.mainloop()
```

#HOME DELIVERY

```
def func5():

    def funcw5_1():
        l1=list(d.keys())
        sw5_1=str(ew5_1.get())
        sw5_2=sw5_1.upper()
        if sw5_2 in l1:
            l.append(sw5_2)
        elif sw5_2 not in l1:
            txt=" "+sw5_2+" is not available"
            tw5=tk.Text(w5,height=10,width=40)
            tw5.insert(tk.END,txt)
            tw5.grid(column=1,row=7)

    def funcw5_2():
        sw5_1=str(ew5_1.get())
        sw5_2=sw5_1.upper()
        if sw5_2 in l:
            l.remove(sw5_2)
        elif sw5_2 not in l:
            txt=" YOU HAVE NOT ADDED "+sw5_2
            tw5=tk.Text(w5,height=10,width=40)
            tw5.insert(tk.END,txt)
            tw5.grid(column=1,row=7)
```

```
def funcw5_3():
    sw5_1=str(ew5_1.get())
    zw5_2=sw5_1.upper()
    sw5_3=str(ew5_2.get())
    sw5_4=sw5_3.upper()
    sw5_5=str(ew5_2.get())
    sw5_6=sw5_5.upper()
    sw5_7=str(ew5_3.get())
    sw5_8=sw5_7.upper()
    sw5_9=str(ew5_4.get())
    sw5_10=sw5_9.upper()
    sw5_11=str(ew5_5.get())
    sw5_12=sw5_11.upper()
    sw5_13=str(ew5_6.get())
    sw5_14=sw5_13.upper()

    f2=0
    for i in l:
        t1=d.get(i)
        f2+=int(t1[0])
    f3=f2+100

    txt="YOUR ORDER WILL BE DELIVERED TO YOUR ADDRESS.YOUR TOTAL BILL IS "+str(f3)+" "+str(f2)+" FOR MEDICINES AND 100 AS DELIVERY FEE"

    tw5=tk.Text(w5,height=10,width=40)
    tw5.insert(1k.END,txt)
    tw5.grid(column=1,row=7)
```

```
mw5=mysql.connect(host='localhost', user='root',passwd='1234',database='pharmacy')
cw5_1=mw5.cursor()
cw5_1.execute("CREATE TABLE RECEIPT(PATIENT_NAME VARCHAR(20),ADDRESS
VARCHAR(10),CITY VARCHAR(10),PINCODE VARCHAR(10),TOTAL_PRICE INT(10))")
cw4_2=mw4.cursor()
fw4="INSERT INTO INVOICE(PATIENT_NAME,ADDRESS,CITY,STATE,TOTAL_PRICE)
VALUES(%s,%s,%s,%s,%s)"
dw4=(sw5_6,sw5_10,sw5_12,sw4_14)
cw4_2.execute(fw4,dw4)
mw5.commit()
mw5.close()

w5=tk.Tk()
w5.title("HOME DELIVERY")
w5.geometry("750x500")
w5.configure(bg='light green')
lw5_1=tk.Label(w5,text="ENTER NAME OF THE MEDICINE ",font=("Arial Black",12),bg="white")
lw5_1.grid(column=0,row=0)
ew5_1=tk.Entry(w5,width=40)
ew5_1.grid(column=1,row=0)
lw5_2=tk.Label(w5,text="ENTER NAME ",font=("Arial Black",12),bg="white")
lw5_2.grid(column=0,row=1)
ew5_2=tk.Entry(w5,width=40)
ew5_2.grid(column=1,row=1)
lw5_3=tk.Label(w5,text="ENTER MOBILE NUMBER ",font=("Arial Black",12),bg="white")
lw5_3.grid(column=0,row=2)
ew5_3=tk.Entry(w5,width=40)
```

```
ew5_3.grid(column=1,row=2)

lw5_4=tk.Label(w5,text="ENTER ADDRESS ",font=("Arial Black",12),bg="white")
lw5_4.grid(column=0,row=3)

ew5_4=tk.Entry(w5,width=40)

ew5_4.grid(column=1,row=3)

lw5_5=tk.Label(w5,text="CITY ",font=("Arial Black",12),bg="white")
lw5_5.grid(column=0,row=4)

ew5_5=tk.Entry(w5,width=40)

ew5_5.grid(column=1,row=4)

lw5_6=tk.Label(w5,text="STATE ",font=("Arial Black",12),bg="white")
lw5_6.grid(column=0,row=5)

ew5_6=tk.Entry(w5,width=40)

ew5_6.grid(column=1,row=5)

lw5_7=tk.Label(w5,text="PINCODE ",font=("Arial Black",12),bg="white")
lw5_7.grid(column=0,row=6)

ew5_7=tk.Entry(w5,width=40)

ew5_7.grid(column=1,row=6)

bw5_1=tk.Button(w5,text=" ADD ",font=("Arial Black",12),bg="white",command=funcw5_1)
bw5_1.grid(column=3,row=0)

bw5_2=tk.Button(w5,text=" DELETE ",font=("Arial Black",12),bg="white",command=funcw5_2)
bw5_2.grid(column=4,row=0)

bw5_3=tk.Button(w5,text=" GO ",font=("Arial Black",12),bg="white",command=funcw5_3)
bw5_3.grid(column=1,row=7)

w5.mainloop()
```

```
#EXIT  
def func6():  
    global w6  
    w6.destroy()
```

#SALES ANALYSIS

```
def func7():  
  
    def funcw7():  
        sw7_1=int(new7_1.get())  
        sw7_2=int(new7_2.get())  
        w7.destroy()  
        nw7=[]  
        k=sw7_2-sw7_1  
        nw7.append(sw7_1)  
        nw7.append(sw7_2)  
        if k>0:  
            nw7.append(k)  
        cw7=[y,cyan,red]  
        nw7_1=['Expenses','Money made','Profit']  
        plt.pie(nw7,colors=cw7,labels=nw7_1,autopct='%1.1f%%')  
        plt.show()  
    else:  
        nw7.append(k*(-1))  
        cw7=[y,cyan,red]  
        nw7_1=['Expense','Money made','Loss']
```


#MAIN

```
w1=tk.Tk()
w1.title("PHARMACY MANAGEMENT")
w1.geometry("600x600")
w1.configure(bg="black")

l1=tk.Label(text="HELLO WELCOME TO PHARMACY MANAGEMENT",fg="black",bg="orange",font=("Arial Black",16))
l1.pack(fill="x")

l2=tk.Label(text=" ",font=("Arial Black",16))
l2.pack(fill="x")

b1=tk.Button(text="SEARCH FOR PRODUCTS",fg="white",bg="purple",font=("Arial Black",12),command=func1)
b1.pack()

l3=tk.Label(text=" ",font=("Arial Black",16))
l3.pack(fill="x")

b2=tk.Button(text="ORDER PRODUCTS",fg="white",bg="purple",font=("Arial Black",12),command=func2)
b2.pack()

l4=tk.Label(text=" ",font=("Arial Black",16))
l4.pack(fill="x")
```

```
b3=tk.Button(text="SHOW ORDER LIST",fg='white',bg='purple',font=("Arial Black",12),command=func3)
b3.pack()

l5=tk.Label(text=" ",font=("Arial Black",16))
l5.pack(fill=x)

b4=tk.Button(text="PRINT INVOICE",fg='white',bg='purple',font=("Arial Black",12))
b4.pack()

l6=tk.Label(text=" ",font=("Arial Black",16))
l6.pack(fill=x)

b5=tk.Button(text="SALES ANALYSIS",fg='white',bg='purple',font=("Arial Black",12),command=func7)
b5.pack()

l7=tk.Label(text=" ",font=("Arial Black",16))
l7.pack(fill=x)

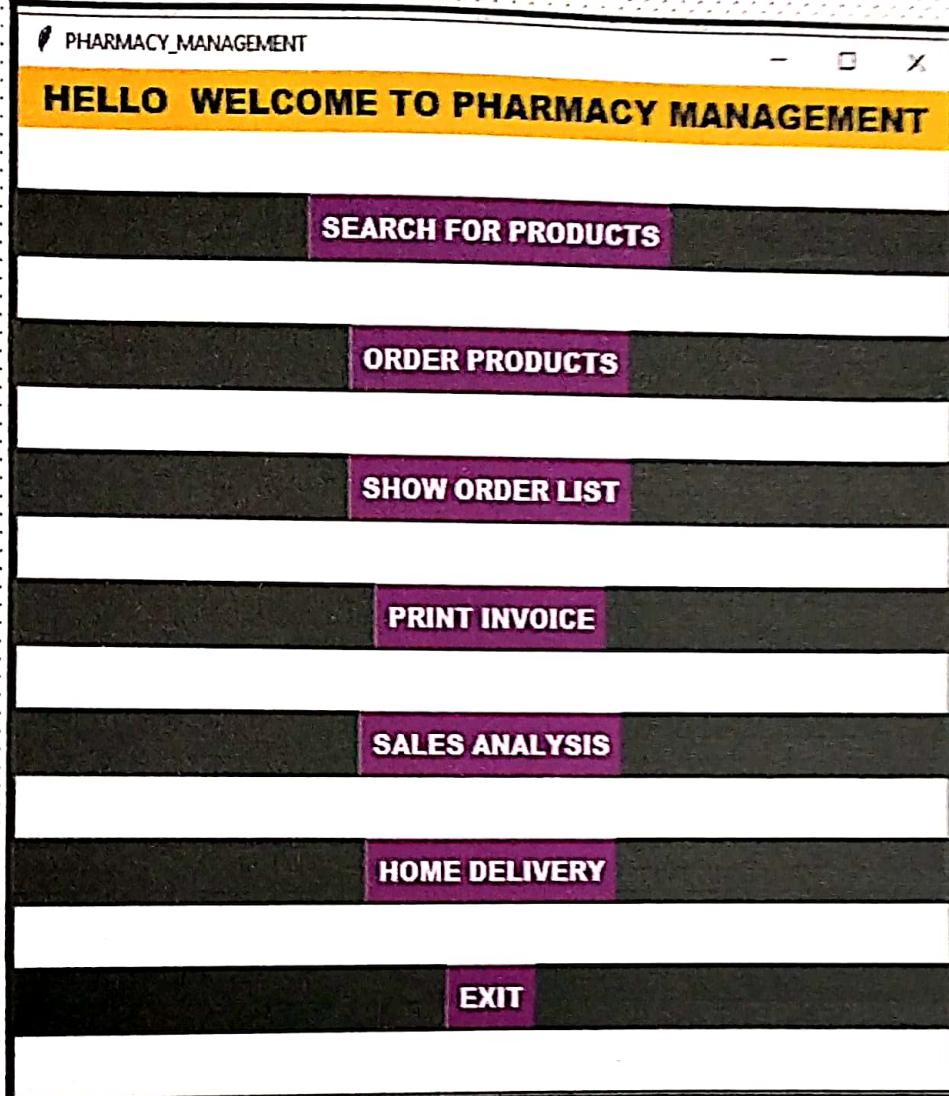
b6=tk.Button(text="HOME DELIVERY",fg='white',bg='purple',font=("Arial Black",12),command=func5)
b6.pack()

l8=tk.Label(text=" ",font=("Arial Black",16))
l8.pack(fill=x)

b7=tk.Button(text="EXIT",fg='white',bg='purple',font=("Arial Black",12),command=func6)
```

```
b7.pack()  
  
l7=tk.Label(text=" ",font=("Arial Black",16))  
l7.pack(fill="x")  
  
w1.mainloop()
```

#OUTPUT



SEARCH FOR PRODUCTS

SEARCH FOR PRODUCTS

ENTER NAME

CROCIN is in shelf no.4 and in box no.1

SEARCH EXIT

ORDER PRODUCTS

ORDER PRODUCTS

ENTER NAME

ADD **EXIT**

#SALES ANALYSIS

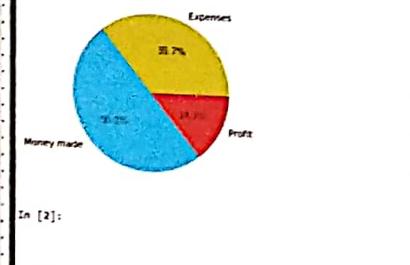
#PROFIT

DASH-PYTHON

ENTER TOTAL EXPENSES ON MEDICINES : 60

ENTER TOTAL MONEY MADE : 100

```
In [1]: runfile('C:/Users/ishu/Desktop/Python/pharmacy_1.2.py', wdir='C:/Users/ishu/Desktop/Python')
```



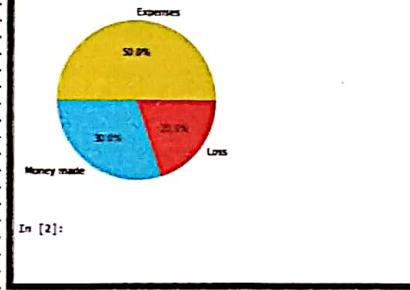
#LOSS

DASH-PYTHON

ENTER TOTAL EXPENSES ON MEDICINES : 60

ENTER TOTAL MONEY MADE : 32

```
In [1]: runfile('C:/Users/ishu/Desktop/Python/pharmacy_1.2.py', wdir='C:/Users/ishu/Desktop/Python')
```



HOME DELIVERY

HOME DELIVERY

ENTER NAME OF THE MEDICINE	CROGIN	ADD	DELETE
ENTER NAME	XYZ		
ENTER MOBILE NUMBER	65203106521		
ENTER ADDRESS	A-1001		
CITY	DELHI		
STATE	DELHI		
PINCODE	110091		

GO

HOME DELIVERY

ENTER NAME OF THE MEDICINE	CROGIN	ADD	DELETE
ENTER NAME	XYZ		
ENTER MOBILE NUMBER	65203106521		
ENTER ADDRESS	A-1001		
CITY	DELHI		
STATE	DELHI		
PINCODE	110091		

YOUR ORDER WILL BE DELIVERED TO YOUR ADDRESS. YOUR TOTAL BILL IS 100 , 0 FOR MEDICINES AND 100 AS DELIVERY FEE

BIBLIOGRAPHY

- <http://books.google.co.in>
- <http://en.m.wikipedia.org>
- SUMITA ARORA
- PREETI ARORA