**MAIN PROGRAM**

*PYTHON CODE*

**def mainprogram():**

master.destroy()

import tkinter

root=tkinter.Tk()

root.title("WELCOME")

def ShowChoice():

num=u.get()

root.destroy()

if num==0:

import CUSTOMER

elif num==1:

import SELLER

else:

import sys;sys.exit()

u = tkinter.IntVar()

u.set(0)

users = [("I AM A CUSTOMER",1),("I AM A SELLER",2)]

tkinter.Label(root,

text="""Choose your option""").grid(row=0)

c1=0

for val, user in enumerate(users):

c1+=1

tkinter.Radiobutton(root,

text=user[0],

variable=u,

value=val).grid(row=c1)

bt=tkinter.Button(root,text="PROCEED",command=ShowChoice)

bt.grid(columnspan=3)

import tkinter

from PIL import Image

from PIL import ImageTk

master = tkinter.Tk()

width = 400

height = 400

img1 = Image.open("MEDPLUS.png")

img1 = img1.resize((width,height), Image.ANTIALIAS)

photoImg1 = ImageTk.PhotoImage(img1)

a=tkinter.Button(master,image=photoImg1,width=400,command=mainprogram).grid(row=0,column=1)

master.mainloop()

**MODULES**

**1.CUSTOMER**

**def cartview(finalbill,finalnameretail,finaldetails):**

**def Payment(finalbill,finalnameretail,finaldetails):**

import csv

print()

f1=open("BILL.csv","w",newline='')

writer=csv.writer(f1)

writer.writerow(["MEDPLUS.COM","","","","","","TAX INVOICE"])

writer.writerow(["SOLD BY","","","","","","BILLING LOCATION\PINCODE"])

print("+","-"\*101,"+")

print("|","MEDPLUS.COM"," "\*77,"TAX INVOICE","|")

print("|","SOLD BY:"," "\*66,"BILLING LOCATION\PINCODE:","|")

x=str(finalnameretail[2])

y=str(finaldetails[2])

for i in range(2):

print("|",finalnameretail[i]," "\*(99-len(finalnameretail[i])-len(finaldetails[i])),finaldetails[i],"|")

writer.writerow([str(finalnameretail[i]),"","","","","",str(finaldetails[i])])

print("|",x," "\*(99-len(x)-len(y)),y,"|")

writer.writerow([x,"","","","","",y])

print("+","-"\*101,"+")

print()

print(" +","-"\*98,"+")

writer.writerow(["SL.NO","DESCRIPTION","UNIT PRICE","TAX","QUANTITY","NET RATE","TOTAL AMOUNT"])

print(" |","SL.NO"," |","DESCRIPTION"," "\*14,"|","UNIT PRICE"," |","TAX"," "\*1," |","QUANTITY|","NET RATE"," "\*3,"|","TOTAL AMOUNT","|")

print(" +","-"\*98,"+")

totalbillamnt=0

total1=0

for i in finalbill:

totalbillamnt+=i[6]

total1+=i[5]

a=str(i[0])

b=str(i[1])

c=str(i[2])

d=str(i[3])

e=str(i[4])

f=str(i[5])[:7]

g=str(i[6])[:7]

writer.writerow([a,b,c,d,e,f,g])

print(" |",i[0]," "\*(5-len(a)),"|",i[1]," "\*(25-len(b)),"|",i[2]," "\*(10-len(c)),"|",i[3]," "\*(5-len(d)),"|",i[4]," "\*(5-len(e)+1),"|",f," "\*(10-len(f)+1),"|",g," "\*(12-len(g)-1),"|")

print(" +","-"\*98,"+")

if finaldetails[4]=="Platinum":

disct=15

elif finaldetails[4]=="Gold":

disct=10

elif finaldetails[4]=="Silver":

disct=5

else:

disct=0

print("+","-"\*101,"+")

print("|","TYPE OF MEMBERSHIP"," "\*(80-len(finaldetails[4])),finaldetails[4]," |")

print("|","% OF DISCOUNT"," "\*(85-len(str(disct))),disct," |")

print("|","NET RATE"," "\*(90-len(str(total1))),total1," |")

print("|","TOTAL TAX AMOUNT"," "\*(82-len(str((totalbillamnt-total1))[:6])),str(totalbillamnt-total1)[:6]," |")

print("|","TOTAL BILL AMOUNT"," "\*75,str(totalbillamnt)[:6]," |")

print("+","-"\*101,"+")

print("|","TOTAL AMOUNT PAYABLE"," "\*72,str(totalbillamnt\*(100-disct)/100)[:6]," |")

print("+","-"\*101,"+")

print("NOW IT'S TIME FOR PAYMENT!!!!")

print("a.CASH ON DELIVERY")

print("b.PAYMENT THROUGH OUR ONLINE PARTNER's APP")

print("c.NET BANKING")

writer.writerow(["MEMBERSHIP TYPE","","","","","",finaldetails[4]])

writer.writerow(["% OF DISCOUNT","","","","","",disct])

writer.writerow(["NET RATE","","","","","",total1])

writer.writerow(["TOTAL TAX AMOUNT","","","","","",str(totalbillamnt-total1)[:6]])

writer.writerow(["TOTAL BILL AMOUNT","","","","","",str(totalbillamnt)[:6]])

writer.writerow(["TOTAL AMOUNT PAYABLE","","","","","",str(totalbillamnt\*(100-disct)/100)[:6]])

ch=input("ENTER YOUR CHOICE TO PROCEED: ")

if ch in 'Aa':

print("THANK YOU FOR CHOOSING CASH ON DELIVERY OPTION\nPLEASE HAND OVER THE EXACT CHANGE TO OUR SERVICE EXCECUTIVE\nTHANK YOU")

elif ch in 'Bb':

**def qr():**

def screenshot():

import pyautogui, time

time.sleep(6)

screenshot = pyautogui.screenshot()

screenshot.save("QRCODE.png")

master.destroy()

import tkinter

from PIL import Image

from PIL import ImageTk

master = tkinter.Tk()

width = 200

height = 200

img1 = Image.open("TEST.png")

img1 = img1.resize((width,height), Image.ANTIALIAS)

photoImg1 = ImageTk.PhotoImage(img1)

a=tkinter.Button(master,image=photoImg1,width=200).grid(row=0,column=1)

b=tkinter.Button(master,text="TAKE SCREENSHOT",command=screenshot).grid(row=0,column=2)

master.mainloop()

print("AS PER THE DETAILS GIVEN AT THE TIME OF REGISTRATION YOU HAVE OPTED FOR",finaldetails[3])

ch2=input("TO CONTINUE WITH THIS PLEASE PRESS THE ENTER KEY,ELSE ENTER ANY OTHER KEY ")

if ch2 =="":

print("THANK YOU FOR CHOOSING",finaldetails[3])

else:

print("NOW YOU CAN CHOOSE OUR PREFERRED PARTNER.THIS IS ONLY A TEMPORARY CHANGE.")

print("1.Google Pay\n2.Tez App\n3.Paytm")

chi=int(input("ENTER YOUR CHOICE: "))

if chi==1:

x="Google Pay"

print("THANK YOU FOR CHOOSING",x)

elif chi==2:

x="Tez App"

print("THANK YOU FOR CHOOSING",x)

elif chi==3:

x="Paytm"

print("THANK YOU FOR CHOOSING",x)

qr()

print("OUR SERVICE EXCECUTIVE WILL HELP YOU TO COMPLETE THE TRANSACTION AT THE TIME OF DELIVERY")

elif ch in "cC":

**def otp(cost,end):**

import time

c=1

t1=0

import random,math

string="0123456789qwertyuioplkjhgfdsazxcvbnmASDFGHJKLPOIUYTREWQZXCVBNM"

OTP=""

length=len(string)

for i in range(6):

OTP+=string[math.floor(random.random()\*length)]

y=OTP

print("YOUR OTP FOR THE TRANSACTION OF",cost,"INR is",y,"\t THIS SHOULD NOT BE REVEALED TO ANY ONE.THIS WILL BE VALID FOR ONLY 3 ATTEMPTS")

print(y)

while c<=3:

to=time.perf\_counter()

ot=input("ENTER OTP: ")

if ot==y:

t1+=time.perf\_counter()-to

if(t1-to)>30:

print("SORRY YOUR SEESION HAS TIMED OUT.PLEASE TRY AGAIN LATER.")

break

else:

print("SUCCESSFULLY TRANSFERRED")

import tkinter as tk

master = tk.Tk()

msgtext = "AN AMOUNT OF"+cost+"INR HAS BEEN DEBITED FROM YOUR CARD ENDING IN \*\*\*\*"+end+"\nTHANK YOU FOR SHOPPPING WITH MEDPLUS.COM"

msg = tk.Message(master, text = msgtext)

msg.config(font=('times', 24))

msg.pack()

tk.mainloop()

break

else:

t1+=time.perf\_counter()-to

c+=1

if c<4:

print("ATTEMPT UNSUCCESSFULL,TRY AGAIN")

else:

print("THREE ATTEMPTS UNSUCCESSFUL TRY AGAIN LATER")

import csv

with open("CARD.csv","r") as f:

csv\_reader=csv.reader(f,delimiter=",")

next(csv\_reader)

x=list(csv\_reader)

username=input("ENTER USERNAME: ")

for i in x:

if i[1]=="" and i[0]==username :

name=i[0]

cardnumber=input("ENTER A CARD NUMBER: ")

cvv=input("ENTER CVV OF YOUR CARD: ")

year=input("ENTER YEAR OF EXPIR: ")

month=input("ENTER MONTH OF EXPIRY: ")

x.remove(i)

x.append([name,cardnumber,cvv,year,month])

c=cardnumber[-4:]

otp(c)

with open("carddetails.csv","w",newline='')as f:

heading=["Username","CardNumber","CVV","Yaer of Expiry","Month Of Expiry"]

csv\_writer=csv.writer(f)

csv\_writer.writerow(heading)

csv\_writer.writerows(x)

break

elif i[0]==username and i[1]!="":

card=input("ENTER A CARD NUMBER: ")

cvv=input("ENTER CVV OF YOUR CARD: ")

year=input("ENTER YEAR OF EXPIRY: ")

month=input("ENTER MONTH OF EXPIRY: ")

if int(i[1])==int(card) and int(i[2])==int(cvv) and int(i[3])==int(year) and int(i[4])==int(month):

end=i[1][-4:]

cost=str(totalbillamnt\*(100-disct)/100)[:6]

otp(cost,end)

break

else:

print("INVALID CREDENTIALS")

else:

print("OOPS WE WERE UNABLE TO FIND THE CARD IN OUR DATABASE.")

ch=input( "TO REGISTER A NEW CARD PRESS THE ENTER KEY: ")

if ch=="":

name=input("ENTER YOUR NEW USERNAME:")

cardnumber=input("ENTER YOUR CARD NUMBER: ")

cvv=input("ENTER CVV NUMBER: ")

year=input("ENTER YEAR OF EXPIRY: ")

month=input("ENTER MONTH OF EXPIRY: ")

x.remove(i)

x.append([name,cardnumber,cvv,year,month])

end=cardnumber[-4:]

cost=str(totalbillamnt\*(100-disct)/100)[:6]

otp(cost,end)

with open("CARD.csv","w",newline='')as f:

heading=["Username","CardNumber","CVV","Yaer of Expiry","Month Of Expiry"]

csv\_writer=csv.writer(f)

csv\_writer.writerow(heading)

csv\_writer.writerows(x)

f1.close()

with open ("BILL.csv","r") as f1:

reader=csv.reader(f1,delimiter=",")

reader=list(reader)

**def print1():**

import os

os.startfile("BILL.csv","print")

window.destroy()

**def exit1():**

window.destroy

import tkinter

import csv

window=tkinter.Tk()

window.title("BILL")

for i in range (len(reader)):

tkinter.Label(window,text=str(reader[i][0])).grid(row=i,column=1)

tkinter.Label(window,text=str(reader[i][1])).grid(row=i,column=2)

tkinter.Label(window,text=str(reader[i][2])).grid(row=i,column=3)

tkinter.Label(window,text=str(reader[i][3])).grid(row=i,column=4)

tkinter.Label(window,text=str(reader[i][4])).grid(row=i,column=5)

tkinter.Label(window,text=str(reader[i][5])).grid(row=i,column=6)

tkinter.Label(window,text=str(reader[i][6])).grid(row=i,column=7)

f1.close()

button1=tkinter.Button(window,text="EXIT",command=exit1)

button1.grid(row=len(reader)+3,column=1)

button2=tkinter.Button(window,text="PRINT",command=print1)

button2.grid(row=len(reader)+3,column=4)

print("THANK YOU FOR CHOOSING MEDPLUS.COM")

import tkinter as tk

master = tk.Tk()

msgtext = "DEAR "+finaldetails[0]+" YOUR MEDICINES WILL BE DELIVERED IN 3 DAYS BY OUR DELIVERY AGENT\nFOR AN FURTHER ASSISTANCE PLEASE MAIL US AT\nmedpluscustomer@gmail.com"

msg = tk.Message(master, text = msgtext)

msg.config(font=('times', 12))

msg.pack()

tk.mainloop()

print("+","-"\*45,"+")

print("|","SL.NO"," |","DESCRIPTION"," "\*14, "|","QUANTITY|")

print("+","-"\*45,"+")

for i in finalbill:

a=str(i[0])

b=str(i[1])

c=str(i[4])

print("|",a," "\*(5-len(a)),"|",b," "\*(25-len(b)),"|",c," "\*(6-len(c)),"|")

print("+","-"\*45,"+")

print("1.PROCEED TO PAYMENT\n2.EDIT MY CART")

ch=input("ENTER YOUR CHOICE: ")

if ch=="1":

Payment(finalbill,finalnameretail,finaldetails)

elif ch=="2":

opt=input("PLEASE ENTER THE SERIAL NUMBER OF THE ITEM YOU WANT TO MAKE CHANGE TO: ")

if int(opt)<=len(finalbill):

print("1.REMOVE THIS ITEM FROM THE LIST\n2.MAKE A CHANGE IN THE QUANTITY")

ch=input("ENTER YOUR CHOICE: ")

if ch=="1":

for i in finalbill:

if i[0]==int(opt):

finalbill.remove(i)

for i in range(len(finalbill)):

finalbill[i][0]=i+1

print("THE ITEM HAS BEEN REMOVED FROM YOUR CART")

print("+","-"\*45,"+")

print("|","SL.NO"," |","DESCRIPTION"," "\*14, "|","QUANTITY|")

print("+","-"\*45,"+")

for i in finalbill:

a=str(i[0])

b=str(i[1])

c=str(i[4])

print("|",a," "\*(5-len(a)),"|",b," "\*(25-len(b)),"|",c," "\*(6-len(c)),"|")

print("+","-"\*45,"+")

elif ch=="2":

for i in finalbill:

if i[0]==int(opt):

newqty=int(input("PLEASE ENTER THE NEW QUANTITY: "))

i[5]+=(i[2]\*(newqty-i[4]))

i[6]=i[5]\*((100+i[3])/100)

i[4]=newqty

print("THE QUANTITY HAS BEEN CHANGED")

print("+","-"\*45,"+")

print("|","SL.NO"," |","DESCRIPTION"," "\*14, "|","QUANTITY|")

print("+","-"\*45,"+")

for i in finalbill:

a=str(i[0])

b=str(i[1])

c=str(i[4])

print("|",a," "\*(5-len(a)),"|",b," "\*(25-len(b)),"|",c," "\*(6-len(c)),"|")

print("+","-"\*45,"+")

ch1=input("TO PROCEED TO PAYMENT PRESS THE ENTER KEY: ")

if ch1=="":

Payment(finalbill,finalnameretail,finaldetails)

else:

import sys;sys.exit()

**def shopping(finalnameretail,finaldetails):**

print("HAI",finaldetails[0],"WELCOME TO MEDPLUS.COM")

chentry=input("LET'S BEGIN SHOPPING!!!,TO CONTINUE SHOPPING PRESS THE ENTER KEY:")

if chentry=="":

import csv

with open("medicines.csv","r")as x:

reader=csv.reader(x,delimiter=",")

next(reader)

meddet=list(reader)

medname=[]

medrate=[]

meditax=[]

for i in meddet:

medname.append(i[0])

medrate.append(float(i[3]))

meditax.append(i[4])

print("1.HAVE A PRESCRIPTION\n2.NO PRESRIPTION")

ch\_1=input("ENTER YOUR CHOICE: ")

medamnt=[]

medtax=[]

billname=[]

billqty=[]

billrate=[]

if ch\_1=="1":

nos=int(input("ENTER NUMBER OF MEDICINES: "))

for i in range(nos):

name=input("ENTER THE NAME OF THE MEDICINE: ")

qty=int(input("ENTER THE QUANTITY REQUIRED: "))

c=0

for j in medname:

c+=1

if name==j:

medamnt.append(medrate[c-1])

medtax.append(int(meditax[c-1]))

billname.append(name)

billqty.append(qty)

billrate.append(medrate[c-1]\*float(qty))

break

else:

print("OOPS!!!NOT FOUND")

elif ch\_1=="2":

import csv

with open("medicines.csv","r") as f:

reader=csv.reader(f,delimiter=",")

next(reader)

reader=list(reader)

group=[]

for i in reader:

group.append([i[0],i[6]])

dic1={}

l=len(group)

for i in range(l):

while group[i][1] not in dic1:

temp=group[i][1]

tup=()

for j in group:

if j[1]==temp:

tup+=(j[0],)

dic1[temp]=tup

grp=["A.","B.","C.","D."]

c1=0

for i in dic1:

print("+","-"\*27,"+")

c=1

print("|",grp[c1]," |",i," "\*(20-len(i)),"|")

print("+","-"\*27,"+")

c1+=1

for j in dic1[i]:

print("|",c,".","|",j," "\*(20-len(j)),"|")

c+=1

print("+","-"\*27,"+")

n=int(input("ENTER THE NUMBER OF MEDICINES YOU WOULD LIKE TO CHOOSE: "))

for i in range(n):

GRP1=input("ENTER THE TYPE OF MEDICINE A/B/C/D: ")

GRP2=int(input("ENTER THE SERIAL NUMBER OF MEDICINE: "))

if GRP1=="A":

x="Alopathy"

elif GRP1=="B":

x="Ayurvedic"

elif GRP1=="C":

x="Beauty"

else:

x="Health Suppliment"

name=dic1[x][(GRP2-1)]

qty=int(input("ENTER THE QUANTITY YOU WOULD LIKE TO PURCHASE: "))

c=0

for j in medname:

c+=1

if name==j:

medamnt.append(medrate[c-1])

medtax.append(int(meditax[c-1]))

billname.append(name)

billqty.append(qty)

billrate.append(medrate[c-1]\*float(qty))

break

else:

print("NOT FOUND")

finalbill=[]

for i in range(len(billname)):

temptax=medtax[i]/100

totalitem=billrate[i]+(billrate[i]\*temptax)

tempbill=[i+1,billname[i],medamnt[i],medtax[i],billqty[i],billrate[i],totalitem]

finalbill.append(tempbill)

cartview(finalbill,finalnameretail,finaldetails)

else:

print("THANK YOU FOR VISITING MEDPLUS.COM")

**def storelocator(finalname,finaldetails):**

import csv

import math

with open("MEDSTORE.csv","r")as x:

y=csv.reader(x,delimiter=",")

next(y)

ylist=list(y)

NAME=[]

ID=[]

LOCATION=[]

PINCODE=[]

for i in ylist:

if len(i)>0:

NAME.append(i[0])

ID.append(i[1])

LOCATION.append(i[2])

PINCODE.append(i[3])

with open("CUSTOMER.csv","r")as y:

reader=csv.reader(y,delimiter=",")

next(reader)

x=list(reader)

PIN=[]

NAMED=[]

for i in x:

NAMED.append(i[2])

PIN.append(i[3])

tempdiff=[]

for i in range (len(NAMED)):

if finalname!="" and finalname==NAMED[i]:

pin=int(PIN[i])

for j in range(len(PINCODE)):

x=int(math.fabs(pin-int(PINCODE[j])))

tempdiff.append(x)

break

if len(tempdiff)>0:

minpin=min(tempdiff)

for i in range(len(tempdiff)):

if tempdiff[i]==minpin:

finalnameretail=[NAME[i],LOCATION[i],PINCODE[i]]

shopping(finalnameretail,finaldetails)

break

else:

print("OOPS!!!ENTRY NOT FOUND")

return x

**def registration():**

**def okay():**

import csv

with open("CUSTOMER.csv","r")as x1:

reader=csv.reader(x1,delimiter=",")

result=list(reader)

templist=[y.get(),z.get(),x.get(),int(a.get()),member[u.get()][0],f.get(),payments[v.get()][0]]

result.append(templist)

finalname=x.get()

finaldetails=[x.get(),f.get(),int(a.get()),payments[v.get()][0],member[u.get()][0]]

with open("CUSTOMER.csv","w",newline='')as x2:

csv\_records=csv.writer(x2)

csv\_records.writerows(result)

storename=storelocator(finalname,finaldetails)

window.destroy()

import tkinter

window=tkinter.Tk()

window.title("REGISTRATION")

tkinter.Label(window,text="ENTER NAME").grid(row=0)

x=tkinter.Entry(window)

x.grid(row=0,column=1)

tkinter.Label(window,text="ENTER USERNAME").grid(row=1)

y=tkinter.Entry(window)

y.grid(row=1,column=1)

tkinter.Label(window,text="ENTER PASSWORD").grid(row=2)

z=tkinter.Entry(window,show="\*")

z.grid(row=2,column=1)

tkinter.Label(window,text="ENTER LOCATION OF DELIVERY").grid(row=3)

f=tkinter.Entry(window)

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

tkinter.Label(window,text="ENTER PINCODE").grid(row=4)

a=tkinter.Entry(window)

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

finalname=x.get()

u = tkinter.IntVar()

u.set(0)

member = [("Gold",1),("Platinum",2),("Silver",3),("Not intereted now",4)]

tkinter.Label(window, text="""CHOOSE THE TYPE OF MEMBERSHIP YOU WANT""").grid(row=5)

c1=0

for val, membership in enumerate(member):

c1+=1

tkinter.Radiobutton(window,

text=membership[0],

variable=u,

value=val).grid(row=5,column=c1)

v = tkinter.IntVar()

v.set(0)

payments = [("Paytm",1),("Tez App",2),("Google Pay",3)]

def ShowChoice():

x=v.get()

print(payments[x][0])

tkinter.Label(window,

text="""CHOOSE ANY ONE AF OUR ONLINE PAYMENT PARTNER""").grid(row=6)

c=0

for val, payment in enumerate(payments):

c+=1

tkinter.Radiobutton(window,

text=payment[0],

variable=v,

value=val).grid(row=6,column=c)

bt=tkinter.Button(window,text="SUBMIT",command=okay)

bt.grid(columnspan=8)

window.mainloop()

**def nameerror():**

import tkinter

error=tkinter.Tk()

error.title("ERROR")

tkinter.Message(error,text="INVALID CREDENTIALS\nPLEASE TRY AGAIN LATER!!!").grid(row=0)

**def password():**

import csv

with open("CUSTOMER.csv","r")as x3:

reader=csv.reader(x3,delimiter=",")

next(reader)

s=list(reader)

user=[]

password=[]

name=[]

location=[]

mempincode=[]

Type=[]

onlinepay=[]

for i in s:

user.append(i[0])

password.append(int(i[1]))

name.append(i[2])

mempincode.append(i[3])

Type.append(i[4])

location.append(i[5])

onlinepay.append(i[6])

**def check():**

username=x.get()

passcode=int(y.get())

window.destroy()

for i in range(0,len(user),1):

if user[i]==username and password[i]==passcode:

finalname=name[i]

finalloaction=location[i]

fianlpin=mempincode[i]

finalonlinepay=onlinepay[i]

finaltype=Type[i]

finaldetails=[finalname,finalloaction,fianlpin,finalonlinepay,finaltype]

finalname=name[i]

storename=storelocator(finalname,finaldetails)

break

else:

finalname=""

nameerror()

import tkinter

window=tkinter.Tk()

window.title("SIGNIN")

tkinter.Label(window,text="ENTER USERNAME").grid(row=0)

x=tkinter.Entry(window)

x.grid(row=0,column=1)

tkinter.Label(window,text="ENTER PASSWORD").grid(row=1)

y=tkinter.Entry(window,show="\*")

y.grid(row=1,column=1)

tkinter.Checkbutton(window,text="Keep Me Logged In").grid(columnspan=2)

bt=tkinter.Button(window,text="SUBMIT",command=check)

bt.grid(columnspan=3)

window.mainloop()

**def ShowChoice():**

num=u.get()

root.destroy()

if num==0:

password()

else:

registration()

import tkinter

root=tkinter.Tk()

root.title("WELCOME")

u = tkinter.IntVar()

u.set(0)

users = [("EXISTING USER",1),("NEW USER",2)]

tkinter.Label(root,

text="""Choose your option""").grid(row=0)

c1=0

for val, user in enumerate(users):

c1+=1

tkinter.Radiobutton(root,

text=user[0],

variable=u,

value=val).grid(row=c1)

bt=tkinter.Button(root,text="PROCEED",command=ShowChoice)

bt.grid(columnspan=3)

**2.SELLER**

**def image():**

import tkinter

from PIL import Image

from PIL import ImageTk

master = tkinter.Tk()

width = 400

height = 400

img1 = Image.open("ALLSELLERS.png")

img2 = Image.open("COMPETITIONS.png")

img3 = Image.open("PIEPERSONAL.png")

img4 = Image.open("GROWTHPERSONAL.png")

img5 = Image.open("MARKETPULSE.png")

img6 = Image.open("NEIGHBOURS.png")

img1 = img1.resize((width,height), Image.ANTIALIAS)

img2 = img2.resize((width,height), Image.ANTIALIAS)

img3 = img3.resize((width,height), Image.ANTIALIAS)

img4 = img4.resize((width,height), Image.ANTIALIAS)

img5 = img5.resize((width,height), Image.ANTIALIAS)

img6 = img6.resize((width,height), Image.ANTIALIAS)

photoImg1 = ImageTk.PhotoImage(img1)

photoImg2 = ImageTk.PhotoImage(img2)

photoImg3 = ImageTk.PhotoImage(img3)

photoImg4 = ImageTk.PhotoImage(img4)

photoImg5 = ImageTk.PhotoImage(img5)

photoImg6 = ImageTk.PhotoImage(img6)

a= tkinter.Button(master,image=photoImg1,width=400).grid(row=0,column=1)

b=tkinter.Button(master,image=photoImg2,width=400).grid(row=0,column=2)

c=tkinter.Button(master,image=photoImg3,width=400).grid(row=0,column=3)

d=tkinter.Button(master,image=photoImg4,width=400).grid(row=1,column=1)

e=tkinter.Button(master,image=photoImg5,width=400).grid(row=1,column=2)

f=tkinter.Button(master,image=photoImg6,width=400).grid(row=1,column=3)

master.mainloop()

print("THANK YOU FOR CHOOSING MEDPLUS.COM")

import tkinter as tk

master = tk.Tk()

msgtext = "DEAR SELLER THANK YOU FOR CHOOSING MEDPLUS\nFOR AN FURTHER ASSISTANCE PLEASE MAIL US AT\nmedplusseller@gmail.com"

msg = tk.Message(master, text = msgtext)

msg.config(font=('times', 12))

msg.pack()

tk.mainloop()

**def reportseller(user):**

**def marketpulse():**

orders=[]

sales=[]

import csv

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f,delimiter=",")

next(csv\_reader)

x=list(csv\_reader)

import math

from datetime import date

today=date.today()

p=today.month

listmonth=[("JANUARY",1),("FEBRUARY",2),("MARCH",3),("APRIL",4),("MAY",5),("JUNE",6),("JULY",7),("AUGUST",8),("SEPTEMBER",9),("OCTCOBER",10),("NOVEMBER",11),("DECEMBER",12)]

for i in range(len(listmonth)):

if listmonth[i][1]==p-1:

monthname=[listmonth[i-2][0],listmonth[i-1][0],listmonth[i][0]]

break

salesa=[int(i[6]) for i in x if len(i)>0]

salesb=[int(i[7]) for i in x if len(i)>0]

salesc=[int(i[8]) for i in x if len(i)>0]

ordersa=[int(i[9]) for i in x if len(i)>0]

ordersb=[int(i[10]) for i in x if len(i)>0]

ordersc=[int(i[11]) for i in x if len(i)>0]

avg1=0

avg2=0

avg3=0

avg4=0

avg5=0

avg6=0

for i in salesa:

avg1+=i

for i in salesb:

avg2+=i

for i in salesc:

avg3+=i

for i in ordersa:

avg4+=i

for i in ordersb:

avg5+=i

for i in ordersc:

avg6+=i

sales=[avg1,avg2,avg3]

orders=[avg4,avg5,avg6]

import matplotlib.pyplot as plt

x = monthname

y = sales

a=monthname

b=orders

plt.plot(x, y,label="SALES")

plt.plot(a,b,label="ORDERS")

plt.xlabel('MONTH')

plt.ylabel('SALES')

plt.title('MARKET PULSE')

plt.legend()

plt.savefig("MARKETPULSE.png")

plt.show()

**def projected(user):**

import math

import csv

l=[]

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f,delimiter=",")

next(csv\_reader)

for i in csv\_reader:

if len(i)>0:

if i[1]==user:

l.extend([int(i[6]),int(i[7]),int(i[8])])

name=i[0]

a=sum(l)/len(l)

md=[]

for i in l:

md.append(i-a)

mda=sum(md)/len(md)

projected=l[-1]+mda

print("DEAR ",name,"YOUR PROJECTED SALES FOR THE NEXT MONTH IS",math.ceil(projected))

**def personal(user):**

import csv

import math

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

salespersonal=[]

orderspersonal=[]

for i in x:

if len(i)>0:

if i[1]==user:

salespersonal.extend([int(i[8]),int(i[7]),int(i[6])])

orderspersonal.extend([int(i[11]),int(i[10]),int(i[9])])

from datetime import date

today=date.today()

p=today.month

listmonth=[("JANUARY",1),("FEBRUARY",2),("MARCH",3),("APRIL",4),("MAY",5),("JUNE",6),("JULY",7),("AUGUST",8),("SEPTEMBER",9),("OCTCOBER",10),("NOVEMBER",11),("DECEMBER",12)]

for i in range(len(listmonth)):

if listmonth[i][1]==p-1:

monthname=[listmonth[i-2][0],listmonth[i-1][0],listmonth[i][0]]

break

print("1.SEE MY GROWTH\n2.SEE MY MONTHLY SALES DISTRIBUTION")

while True:

opt=input("ENTER YOUR CHOICE: ")

if opt=="1":

import matplotlib.pyplot as plt

x = monthname

y = salespersonal

a=monthname

b=orderspersonal

plt.plot(x, y,label="SALES")

plt.plot(a,b,label="ORDERS")

plt.xlabel('MONTH')

plt.ylabel('SALES')

plt.title('PERSONAL SALES')

plt.legend()

plt.savefig("GROWTHPERSONAL.png")

plt.show()

elif opt=="2":

total=0

for i in salespersonal:

total+=i

mod=[]

for i in salespersonal:

mod.append(math.ceil((i/total)\*100))

#TO GET SALES IN PERCENTAGE

import matplotlib.pyplot as plotter

figureObject, axesObject = plotter.subplots()

axesObject.pie(mod,labels=monthname,autopct='%1.2f',startangle=90,explode=(0,0,0.3))

frame=True

axesObject.axis('equal')

plotter.savefig("PIEPERSONAL.png")

plotter.show()

else:

break

**def graphall(user):**

import csv

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

name=[]

sales=[]

for i in x:

if len(i)>0:

if i[0]!="":

name.append(i[0])

sales.append(int(i[6]))

import matplotlib.pyplot as plt

left=[]

number=[]

c=2

m=1

for i in range(len(sales)):

left.append(c)

c+=2

height = sales

tick\_label = name

plt.bar(left, height, tick\_label = tick\_label, width = 0.8, color = ['red', 'green','blue'],label="SELLERS")

plt.xlabel('SELLERS')

plt.ylabel('SALES')

plt.xticks(rotation=-90)

plt.title('SALES GRAPH OF ALL REGISTERED SELLERS')

plt.legend()

plt.savefig("ALLSELLERS.png")

plt.show()

def neighbours(user):

import csv

import math

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

neighbourname=[]

neighboursales=[]

for i in x:

if len(i)>0:

if i[1]==user:

pinsearch=i[3]

for j in x:

if len(j)>0:

if math.fabs(int(j[3])-int(pinsearch))<2000 :

if j[1]==i[1]:

neighbourname.append("YOUR STORE")

neighboursales.append(int(j[6]))

else:

neighbourname.append(j[0])

neighboursales.append(int(j[6]))

print("1.VIEW ALL MY NEIGHBOURS\n2.GRAPHICALLY VIEW MY NEIGHBOURS")

ch=input("ENTER YOUR CHOICE: ")

if len(neighboursales)>1:

if ch=="1":

print("+","-"\*25,"+")

print("|","SL.NO"," |","NEIGHBOUR"," "\*6,"|")

print("+","-"\*25,"+")

c=0

for i in range (len(neighbourname)):

if neighbourname[i]!="YOUR STORE":

print("|",c+1,"."," ","|",neighbourname[i]," "\*(14-len(neighbourname[i])),"|")

c+=1

print("+","-"\*25,"+")

elif ch=="2":

import matplotlib.pyplot as plt

left=[]

c=2

for i in range(len(neighboursales)):

left.append(c)

c+=2

height = neighboursales

tick\_label =neighbourname

plt.bar(left, height, tick\_label = tick\_label, width = 0.8, color = ['red', 'green','blue'],label="NEIGHBOURS")

plt.xlabel('MY NEIGHBOURS')

plt.ylabel('SALES')

plt.title('SALES GRAPH OF ALL NEIGHBOURING SELLERS')

plt.legend()

plt.xticks(rotation=90)

plt.savefig("NEIGHBOURS.png")

plt.show()

else:

print("Oops!!You have no neighbours")

**def competitions(user):**

import math

import csv

print("1.SET LIMIT\n2.PROCEED WITH DEFAULT LIMIT")

cha=input("ENTER YOUR CHOICE: ")

if cha=="1":

lim=int(input("ENTER YOUR LIMIT: "))

else:

lim=10000

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

compname=[]

compsales=[]

for i in x:

if len(i)>0:

if i[1]==user:

salesearch=i[6]

for j in x:

if len(j)>0:

if math.fabs(int(j[6])-int(salesearch))<lim:

if j[1]==i[1]:

compname.append("YOUR STORE")

compsales.append(int(j[6]))

else:

compname.append(j[0])

compsales.append(int(j[6]))

print("1.VIEW ALL MY NEIGHBOURS\n2.GRAPHICALLY VIEW MY COMPETITIONS")

ch=input("ENTER YOUR CHOICE: ")

if len(compsales)>1:

if ch=="1":

print("+","-"\*25,"+")

print("|","SL.NO"," |","COMPETITION"," "\*4,"|")

print("+","-"\*25,"+")

c=0

for i in range (len(compname)):

if compname[i]!="YOUR STORE":

print("|",c+1,"."," ","|",compname[i]," "\*(14-len(compname[i])),"|")

c+=1

print("+","-"\*25,"+")

elif ch=="2":

import matplotlib.pyplot as plt

left=[]

c=2

for i in range(len(compsales)):

left.append(c)

c+=2

height = compsales

tick\_label =compname

plt.bar(left, height, tick\_label = tick\_label, width = 0.8, color = ['red', 'green','blue'],label="COMPETITIONS")

plt.xlabel('MY COMPETITIONS')

plt.xticks(rotation=60)

plt.ylabel('SALES')

plt.title('SALES GRAPH OF ALL COMPETITORS')

plt.legend()

plt.savefig("COMPETITIONS.png")

plt.show()

else:

print("CONGRATS!!!YOU HAVE NO COMPETITIONS")

**def ranking(user):**

import csv

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

name=[]

sales=[]

for i in x:

if len(i)>0:

if i[1]==user:

namesearch=i[0]

name.append(i[0])

sales.append(int(i[6]))

list1=sales

list2=name

l=len(list1)

for i in range(0,l):

for j in range(l-i-1):

if list1[j]>list1[j+1]:

list1[j+1],list1[j]=list1[j],list1[j+1]

list2[j+1],list2[j]=list2[j],list2[j+1]

list1.reverse()

list2.reverse()

print("+","-"\*60,"+")

print("|","RANK "," |","SELLER"," "\*44,"|")

print("+","-"\*60,"+")

for i in range(len(list1)):

print("|",i+1," "\*(6-len(str(i+1))),"|",list2[i]," "\*(50-len(list2[i])),"|")

if list2[i]==namesearch:

position=i+1

print("+","-"\*60,"+")

print("CONGRATS YOU ARE IN THE",position,"th","position")

print("WELCOME TO THE REPORT SECTION OF ALL REGISTERD SELLERS")

while True:

print("1.VIEW ALL SELLERS\n2.VIEW MY NEIGHBOURS\n3.VIEW MY COMPETITIONS\n4.SEE RANKING AND VIEW MY RANK\n5.VIEW PERSONAL PROFILE\n6.VIEW PROJECTED SALES FOR THE NEXT MONTH\n7.VIEW MARKET PULSE")

ch=input("ENTER YOUR CHOICE: ")

if ch=="1":

graphall(user)

elif ch=="2":

neighbours(user)

elif ch=="3":

competitions(user)

elif ch=="4":

ranking(user)

elif ch=="5":

personal(user)

elif ch=="6":

projected(user)

elif ch=="7":

marketpulse()

else:

print("INVALID OPTION")

print("DO YOU WANT TO CONTINUE IN REPORTS SECTION")

print("1.YES\n2.NO")

ch=input("ENTER YOUR OPTION: ")

if ch=="1":

continue

elif ch=="2":

break

import sys;sys.exit()

**def view(user):**

import csv

with open("MEDSTORE.csv","r") as f:

csv\_reader=csv.reader(f)

next(csv\_reader)

x=list(csv\_reader)

for i in range(len(x)):

if len(x[i])>0:

if x[i][1]==user:

print("+","-"\*133,"+")

print("|NAME OF MEDICAL STORE"," "\*4,"|","SELLER ID"," "\*1,"|","LOCATION"," "\*2,"|","NAME OF OWNER"," "\*1,"|","GST NUMBER","|","PREVIOUS MONTH SALES","|","PREVIOUS MONTH ORDERS","|")

print("+","-"\*133,"+")

print("|",x[i][0]," "\*(24-len(x[i][0])),"|",x[i][1]," "\*(10-len(x[i][1])),"|",x[i][2]," "\*(12-len(x[i][2])),"|",x[i][4]," "\*(14-len(x[i][4])),"|",x[i][5]," "\*(9-len(x[i][5])),"|",x[i][6]," "\*(19-len(x[i][6])),"|",x[i][9]," "\*(20-len(x[i][9])),"|")

print("+","-"\*133,"+")

print("YOU CAN EDIT THE DETAILS")

print("1.EDIT DETAILS\n2.EXIT")

ch=input("PLEASE ENTER YOUR CHOICE: ")

if ch=="1":

print("1.STORE DETAILS\n2.FINANCIAL DETAILS")

ch1=input("ENTER YOUR OPTION: ")

if ch1=="1":

print("1.NAME OF THE RETAIL STORE\n2.NAME OF OWNER\n3.LOCATION AND PINCODE")

ch2=input("ENETER YOUR CHOICE:")

if ch2=="1":

oldname=input("ENETER THE OLD NAME OF THE RETAILS STORE AS PER REGISTERED")

newname=input("ENETER THE NEW NAME OF THE RETAILS STORE TO BE REGISTERED")

if x[i][0]==oldname:

x[i][0]=newname

else:

print("YOUR DETAILS COULD NOT BE VERIFIED")

elif ch2=="2":

oldname=input("ENETER THE OLD NAME OF THE OWNER AS PER REGISTERED")

newname=input("ENETER THE NEW NAME OF THE OWNER STORE TO BE REGISTERED")

if x[i][4]==oldname:

x[i][4]=newname

else:

print("YOUR DETAILS COULD NOT BE VERIFIED")

elif ch2=="3":

oldloc=input("ENETER THE OLD LOCATION STORE AS PER REGISTERED")

newloc=input("ENETER THE NEW LOCATION THE RETAILS STORE TO BE REGISTERED")

newpin=input("ENETER THE NEW PINCODE OF THE AREA")

if x[i][2]==oldloc:

x[i][2]=newloc

x[i][3]=newpin

else:

print("YOUR DETAILS COULD NOT BE VERIFIED")

else:

print("INVALID OPTION")

elif ch1=="2":

print("1.GST NUMBER\n2.SALES")

ch2=input("ENTER YOUR CHOICE: ")

if ch2=="1":

oldgst=input("ENETER THE OLD GST REGISTERED")

newgst=input("ENETER THE NEW GST RETAILS STORE TO BE REGISTERED")

if x[i][5]==oldgst:

x[i][5]=newgst

else:

print("YOUR DETAILS COULD NOT BE VERIFIED")

elif ch2=="2":

newsales=input("ENETER THE NEW SALES OF THE RETAILS STORE TO BE REGISTERED")

x[i][6]=newsales

h=["NAME OF RETAIL STORE","ID","LOCATION","PINCODE","NAME OF OWNER","GST NO","PREVIOUS SALE"]

with open("MEDSTORE.csv","w",newline='' ) as f:

csv\_writer=csv.writer(f)

csv\_writer.writerow(h)

csv\_writer.writerows(x)

import sys;sys.exit()

print("+","-"\*133,"+")

print("|NAME OF MEDICAL STORE"," "\*4,"|","SELLER ID"," "\*1,"|","LOCATION"," "\*2,"|","NAME OF OWNER"," "\*1,"|","GST NUMBER","|","PREVIOUS MONTH SALES","|","PREVIOUS MONTH ORDERS","|")

print("+","-"\*133,"+")

print("|",x[i][0]," "\*(24-len(x[i][0])),"|",x[i][1]," "\*(10-len(x[i][1])),"|",x[i][2]," "\*(12-len(x[i][2])),"|",x[i][4]," "\*(14-len(x[i][4])),"|",x[i][5]," "\*(9-len(x[i][5])),"|",x[i][6]," "\*(19-len(x[i][6])),"|",x[i][9]," "\*(20-len(x[i][9])),"|")

print("+","-"\*133,"+")

elif ch=="2":

import sys;sys.exit()

else:

print("INVALID DETAILS")

import sys;sys.exit()

def newseller():

import csv

print("HAI SELLER TO VIEW YOUR REPORTS PLEASE REGISTER")

ch=input("PRESS THE ENTER THE ENTER KEY TO REGISTER AS A SELLER: ")

if ch=="":

def okay():

import csv

templist=[a.get(),b.get(),c.get(),int(d.get()),e.get(),f.get(),int(g.get()),int(h.get()),int(i.get()),int(j.get()),int(k.get()),int(l.get())]

if int(g.get()) >10000 and int(h.get())>10000 and int(i.get())>10000:

with open("MEDSTORE.csv","a") as f1:

csv\_writer=csv.writer(f1)

csv\_writer.writerow(templist)

user=b.get()

else:

print("SORRY YOUR STORE DOES NOT SATISFY ALL THE NECESSARY CONDITIONS TO REGISTER")

print("PLEASE REFER TO THE DISCLAIMER")

import sys;sys.exit()

window.destroy()

print("1.VIEW MY PROFILE\n2.REPORTS")

ch=input("ENTER YOUR OPTION: ")

if ch=="1":

view(user)

elif ch=="2":

reportseller(user)

image()

import tkinter

window=tkinter.Tk()

window.title("REGISTRATION")

tkinter.Label(window,text="ENTER THE NAME OF YOUR RETAIL STORE").grid(row=0)

a=tkinter.Entry(window)

a.grid(row=0,column=1)

tkinter.Label(window,text="ENTER A USER ID FOR YOUR RETAIL SHOP").grid(row=1)

b=tkinter.Entry(window)

b.grid(row=1,column=1)

tkinter.Label(window,text="ENTER THE LOCATION OF YOUR RETAIL STORE").grid(row=2)

c=tkinter.Entry(window)

c.grid(row=2,column=1)

tkinter.Label(window,text="ENTER THE PINCODE OF YOUR STORE").grid(row=3)

d=tkinter.Entry(window)

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

tkinter.Label(window,text="ENTER THE NAME OF THE RETAIL STORE OWNER").grid(row=4)

e=tkinter.Entry(window)

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

tkinter.Label(window,text="ENTER THE GST ID OF YOUR STORE").grid(row=5)

f=tkinter.Entry(window)

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

tkinter.Label(window,text="ENTER THE PREVIOUS MONTH SALES").grid(row=6)

g=tkinter.Entry(window)

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

tkinter.Label(window,text="ENTER THE SECOND PREVIOUS MONTH SALES").grid(row=7)

h=tkinter.Entry(window)

h.grid(row=7,column=1)

tkinter.Label(window,text="ENTER THE THIRD PREVIOUS MONTH SALES").grid(row=8)

i=tkinter.Entry(window)

i.grid(row=8,column=1)

tkinter.Label(window,text="ENTER THE NUMBER OF ORDERS RECEIVED IN THE LAST MONTH").grid(row=9)

j=tkinter.Entry(window)

j.grid(row=9,column=1)

tkinter.Label(window,text="ENTER THE NUMBER OF ORDERS RECEIVED IN THE SECOND LAST MONTH").grid(row=10)

k=tkinter.Entry(window)

k.grid(row=10,column=1)

tkinter.Label(window,text="ENTER THE NUMBER OF ORDERS RECEIVED IN THE THIRD LAST MONTH").grid(row=11)

l=tkinter.Entry(window)

l.grid(row=11,column=1)

bt=tkinter.Button(window,text="SUBMIT",command=okay)

bt.grid(row=12)

u=b.get()

print(u)

return u

**def ShowChoice():**

num=u.get()

root.destroy()

if num==0:

def close():

user=a.get()

window.destroy()

print("1.VIEW MY PROFILE\n2.REPORTS")

ch=input("ENTER YOUR OPTION")

if ch=="1":

view(user)

elif ch=="2":

reportseller(user)

image()

else:

import sys;sys.exit()

import tkinter

window=tkinter.Tk()

window.title("SIGNIN")

tkinter.Label(window,text="ENTER YOUR USER ID").grid(row=0)

a=tkinter.Entry(window)

a.grid(row=0,column=1)

bt=tkinter.Button(window,text="SUBMIT",command=close)

bt.grid(row=1)

elif num==1:

user=newseller()

elif num==2:

**def TERMS():**

import os;os.startfile("TERMS AND CONDITIONS.txt")

print("THANK YOU FOR VISITING MEDPLUS")

window.destroy()

import tkinter

import tkinter

window=tkinter.Tk()

window.title("TERMS AND CONDITION")

tkinter.Label(window,text="DEAR SELLER YOU CAN VIEW OUR TERMS AND CONDITIONS BY CLICKING PROCEED").grid(row=0)

bt=tkinter.Button(window,text=">>>PROCEED",command=TERMS)

bt.grid(row=1)

import tkinter

root=tkinter.Tk()

root.title("WELCOME")

u = tkinter.IntVar()

u.set(0)

users = [("EXISTING USER",1),("NEW USER",2),("VIEW THE TERMS AND CONDITIONS",3)]

tkinter.Label(root,

text="""Choose your option""").grid(row=0)

c1=0

for val, user in enumerate(users):

c1+=1

tkinter.Radiobutton(root,

text=user[0],

variable=u,

value=val).grid(row=c1)

bt=tkinter.Button(root,text="PROCEED",command=ShowChoice)

bt.grid(columnspan=3)