**Python code:**

1. **MAIN PROGRAM**

import os

import sys

from easygui import passwordbox

password=passwordbox("Enter password: ")

if password=="smugs":

print("\n\n☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆")

print("")

name=input("Enter your name: ")

print("")

N=name.title()

print("-------------------------->>>>>>>>>>>>><<<<<<<<<<----------------------------")

print("-------------------------->>>>>>>>>>>>><<<<<<<<<<----------------------------\n")

print(" HI!",N," ")

print("-------------------------->>>>>>>>>>>>><<<<<<<<<<----------------------------")

print("-------------------------->>>>>>>>>>>>><<<<<<<<<<----------------------------\n")

print("Are you a customer or an employee: ")

print("ENTER 1 FOR CUSTOMER OR 2 FOR EMPLOYEE OR ENTER ANY OTHER NUMBER TO EXIT\n")

c1=int(input())

print(''' ⌈ ⌉

Welcome to STEAMIN' MUGS ✿◡‿◡

⌊ ⌋ ''')

if c1==2:

import os

import sys

from easygui import passwordbox

print("\nHello valued worker Enter the password\n\n\n")

password=passwordbox("Enter password: ")

if password=="rvtp":

import retailer

retailer.retailer\_tasks()

else:

print("!!!!!! WRONG PASSWORD !!!!!!!")

print("\n\n☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆")

elif c1==1:

while True:

print("")

print("")

if c1==1:

print("DISPLAYING THE MENU ")

f1=open("MENUFILE1.txt","r")

menu=f1.read()

print(menu)

print('''What would you like to eat? \^o^/

Please enter only index numbers''')

c2=input()

import Cfunc as F

import billing as B

F.choose(c2)

if c2 not in '123456789':

break

B.createbilltable()

B.finalbill()

print("")

print("")

while True:

ch=input("DO YOU WANT TO ADD MORE ITEMS?(y/n): ")

if ch in 'yY':

print("1. From same category")

print("2.From a different category")

choice=int(input())

if choice==1:

B.finalbill()

else:

print(menu)

c3=input('Enter the number of the food category:')

if c3 in '123456789':

F.choose(c3)

B.finalbill()

else:

F.choose(c3)

B.generatebill()

opt=input("\n Do you have an internet connection(y/n): ")

if opt in 'Yy':

F.cdetails\_n\_mailon(N)

else:

F.cdetails\_n\_mailoff(N)

B.clearbill()

break

else:

B.generatebill()

opt=input("\n Do you have an internet connection(y/n): ")

if opt in 'Yy':

F.cdetails\_n\_mailon(N)

else:

F.cdetails\_n\_mailoff(N)

B.clearbill()

break

print("\n\n☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆")

else:

print("\n\n☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆☆")

else:

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Wrong password \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ACCESS DENIED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

1. **CFUNC (customer functions):**

def choose(num):

num=str(num) #displays choices in menu

if num=='1':

f1=open("COFFEENBEV.txt")

print(" ▶▶▶▶▶ COFFEE AND BEVERAGES ◀◀◀◀◀")

print(f1.read())

elif num=='2':

f1=open("NONCOFFEE.txt")

print(" ▶▶▶▶▶ NON COFFEE DRINKS ◀◀◀◀◀")

print(f1.read())

elif num=='3':

f1=open("PIZZA.txt")

print(" ▶▶▶▶▶ PIZZA ◀◀◀◀◀")

print(f1.read())

elif num=='4':

f1=open("SANDWICH.txt")

print(" ▶▶▶▶▶ SANDWICHES ◀◀◀◀◀")

print(f1.read())

elif num=='5':

f1=open("SOUPS.txt")

print(" ▶▶▶▶▶ SOUPS ◀◀◀◀◀")

print(f1.read())

elif num=='6':

f1=open("BURGER.txt")

print(" ▶▶▶▶▶ BURGERS ◀◀◀◀◀")

print(f1.read())

elif num=='7':

f1=open("CHINESE.txt")

print(f1.read())

elif num=='8':

f1=open("PASTRIES.txt")

print(" ▶▶▶▶▶ PASTRIES ◀◀◀◀◀")

print(f1.read())

elif num=='9':

f1=open("KARNATAKA SPECIAL.txt")

print(" ▶▶▶▶▶ KARNATAKA SPECIAL ◀◀◀◀◀")

print(f1.read())

else:

service=eval(input("PLEASE RATE OUR SERVICE OUT OF 5: "))

print("")

print("--------------------------------- !!THANKYOU!! -------------------------------------")

print("")

def cdetails\_n\_mailon(cname):

import random

#entering customer details

print("Please enter the following details")

print("")

print("")

add=input("Enter your address: ")

print("")

phone=int(input("Enter your phone no.: "))

print("")

age=int(input("Enter your age: "))

print("")

mail=input("Enter your e-mail address: ")

print("")

print("")

print("")

print("Choose a payment method")

print("1.PayPal")

print("2.GooglePay")

print("3.Credit Card")

print("4.MoonDelicacy Debit Card")

payment\_mode=int(input("Enter your choice: "))

print("")

print("------------------------------------------------------------------------------")

print("")

print("")

import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

mycursor.execute("select sum(price) from bill")

for i in mycursor:

bill=i[0]

with open("mailcontent.txt","w")as f2:

f2.write("Hello, " )

f2.write(cname+" your order from STEAMIN' MUGS worth $")

f2.write(str(bill)+" has been accepted and will be delivered to you in "+str(random.randint(25,40))+" mins. \nHOPE YOU HAVE A GREAT TIME EATING ^\_~\nTHANK YOU FOR VISITING!!!")

import smtplib

import csv

confirmcode=random.randrange(2000,9000)

subject = "ORDER CONFIRMATION MESSAGE"

msg = "Your Order Confirmation code is "+str(confirmcode)

server = smtplib.SMTP('smtp.gmail.com:587')

server.ehlo()

server.starttls()

server.login("steaminmugscs@gmail.com", "rvtp324612")

message = 'Subject: {}\n\n{}'.format(subject, msg)

server.sendmail("steaminmugscs@gmail.com",mail, message)

server.quit()

print("ORDER CONFIRMATION CODE SENT TO YOUR MAIL!")

print("")

print("")

print("------------------------------------------------------------------------------")

print("")

print("")

chances=0

while chances<3:

code=int(input("Enter the Order Confirmation Code sent to your e-mail account: "))

if code==confirmcode:

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

mycursor.execute("select sum(price) from bill")

for i in mycursor:

bill=i[0]

#order confirmation

subject = "ORDER CONFIRMED!"

with open("mailcontent.txt","r") as file:

msg1=file.readline()

msg2=file.readline()

msg3=file.readline()

mesg=msg1+msg2+msg3

try:

server = smtplib.SMTP('smtp.gmail.com:587')

server.ehlo()

server.starttls()

server.login("steaminmugscs@gmail.com", "rvtp324612")

message = 'Subject: {}\n\n{}'.format(subject, mesg)

server.sendmail("steaminmugscs@gmail.com",mail, message)

server.quit()

print("------------------------------------------------------------------------------ \n\n")

print(" !!!!WOHOOO!!!!\n\n\n★☆★☆★☆★☆★☆★☆★☆★☆ SUCCESS: Order confirmed by STEAMIN' MUGS! ★☆★☆★☆★☆★☆★☆★☆ \n\n\n")

print("Email Sent to your email account!!!")

f1=open("valet.csv","r")

valetread=csv.reader(f1)

valetlist=[] #valet choosing

for rec in valetread:

valetlist.append(rec)

valet=random.choice(valetlist)

print("Your valet today is ", valet[0]," with ",valet[1]," and ",valet[2]," star ratings!!")

#entering record in csv

f3=open("Crecord.csv","a")

record=[random.randrange(1000,9000),cname,add,phone,age,mail,bill,valet[0]]

csvwrite=csv.writer(f3)

csvwrite.writerow(record)

except:

print("We are really sorry for incovenience.\nBut there are no nearby valets available! :( \nMAYBE, TRY AGAIN AFTER SOMETIME! ಥ\_ಥ")

break

else:

if chances==2:

print("------------------------------------------------------------------------------\n\n")

print("!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! \n")

print("YOU EXCEEDED THE NUMBER OF GIVEN TRIALS\n\n Maybe, try again after sometime!\n")

print("!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!")

else:

print("------------------------------------------------------------------------------\n\n")

print("WRONG CODE ENTERED!!!!\n\n")

print("Try again!\n\n\n")

chances+=1

print("")

print("------------------------------------------------------------------------------")

print("")

print("")

def cdetails\_n\_mailoff(cname):

import csv

import random

print("Please enter the following details")

print("")

print("")

add=input("Enter your address: ")

print("")

phone=int(input("Enter your phone no.: "))

print("")

age=int(input("Enter your age: "))

print("")

mail=input("Enter your e-mail address: ")

print("")

print("")

print("")

print("Choose a payment method")

print("1.PayPal")

print("2.GooglePay")

print("3.Credit Card")

print("4.MoonDelicacy Debit Card")

payment\_mode=int(input("Enter your choice: "))

print("")

print("------------------------------------------------------------------------------")

print("")

print("")

print("\n\n\n\nENTER THE CODE DISPLAYED ON SCREEN : \n \n")

print(random.randint(1000,9000))

code=int(input())

print("------------------------------------------------------------------------------ \n\n")

print(" !!!!WOHOOO!!!!\n\n\n★☆★☆★☆★☆★☆★☆★☆★☆ SUCCESS: Order confirmed by STEAMIN' MUGS! ★☆★☆★☆★☆★☆★☆★☆ \n\n\n")

f1=open("valet.csv","r")

valetread=csv.reader(f1)

valetlist=[] #valet choosing

for rec in valetread:

valetlist.append(rec)

valet=random.choice(valetlist)

print("Your valet today is ", valet[0]," with ",valet[1]," and ",valet[2]," star ratings!!")

import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

mycursor.execute("select sum(price) from bill")

for i in mycursor:

bill=i[0]

#entering record in csv

f3=open("Crecord.csv","a")

record=[random.randrange(1000,9000),cname,add,phone,age,mail,bill,valet[0]]

csvwrite=csv.writer(f3)

csvwrite.writerow(record)

print("")

print("------------------------------------------------------------------------------")

print("")

print("")

1. **BILLING**

def createbilltable(): #creates table bill in sql

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

mycursor.execute("create table bill (Item\_name char(40), Quantity int, Price int)")

def finalbill(): #adds item to the bill table

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

itemid=input("Enter the ID of item you want to buy: ")

qty=int(input("Enter quantity: "))

mycursor.execute("select \* from menu where itemcode='%s'"%(itemid))

for i in mycursor:

itemcode,category,item,price=i

p=price

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print("Item name: ", item)

print("Price per item: ", price)

print("")

print("✔✔✔✔✔✔✔✔✔✔ Item added to your cart ✔✔✔✔✔✔✔✔✔✔✔")

print("▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨")

s1="INSERT INTO bill VALUES (%s,%s,%s)"

rate=qty\*p

values=(item, qty, rate)

mycursor.execute(s1,values)

print("\nPlease answer the below question to confirm you are an human")

day=input("Enter the day today:")

val=(day,rate)

s2="INSERT INTO crecord VALUES (%s,%s)"

mycursor.execute(s2,val)

mydb.commit()

def generatebill(): #prints the bill and enters customer record in csv

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

print("")

print("▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Generating Your BILL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print("")

print("")

print("-----------------------------------------------------------------------------")

print("")

print("-----------------------------------------------------------------------------")

print("")

print(" YOUR BILL ")

print("")

mycursor=mydb.cursor()

mycursor.execute("Select \* from bill")

data=mycursor.fetchall()

headers=["Item\_name","Quantity","Price"]

if data:

print(tabulate(data,headers,tablefmt="fancy\_grid"))

else:

print("An Error occured, Try later")

print("-----------------------------------------------------------------------------")

print("-----------------------------------------------------------------------------")

print("")

mycursor.execute("select sum(price) from bill")

print("++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++")

print("")

print(" Your Grand Total is: $", end="")

for i in mycursor:

bill=i[0]

print(" ", bill)

print("")

print("+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++")

print("")

print("")

print("")

def clearbill(): #clears the bill table

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

mycursor.execute("drop table bill")

mydb.commit()

1. **RETAILER:**

def retailer\_tasks():

print("----------------------------------------------------------------------------------------------\n\n----------------------------------------------------------------------------------------------\n")

f=open("retailer.txt","r")

import mysql.connector

from tabulate import tabulate

mydb=mysql.connector.connect(host="localhost",user="root",password="",database="rvtp")

mycursor=mydb.cursor()

print(f.read())

print("")

ch1=int(input("What changes are you planning to make : "))

while ch1 in [1,2,3,4,5,6,7,8]:

if ch1==1:

f=open("update.txt","r") #update

print(f.read())

ch=int(input("What do you want to update : "))

while ch in [1,2,3,4]:

if ch==1:

itemcode=input("Enter item code: ")

print("")

newprice=input("Re-enter price: ")

print("")

mycursor.execute("update menu set price='%s' where itemcode='%s'"%(newprice,itemcode))

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* PRICE UPDATED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

mydb.commit()

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

elif ch==2:

itemcode=input("Enter item code: ")

print("")

newcategory=input("Re-enter category: ")

print("")

mycursor.execute("update menu set category='%s' where itemcode='%s'"%(newcategory,itemcode))

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CATEGORY UPDATED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

mydb.commit()

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

elif ch==3:

itemcode=input("Enter item code: ")

print("")

newitemname=input("Re-enter item name: ")

print("")

mycursor.execute("update menu set item='%s' where itemcode='%s'"%(newitemname,itemcode))

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ITEM UPDATED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

mydb.commit()

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

elif ch==4:

itemcode=input("Enter item code: ")

print("")

newitemcode=input("Re-enter item code: ")

print("")

mycursor.execute("update menu set itemcode='%s' where itemcode='%s'"%(newitemcode,itemcode))

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ITEMCODE UPDATED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

mydb.commit()

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

else:

break

break

elif ch1==3: #itemdeletion

itemcode=input("Enter item code to be deleted: ")

print("")

mycursor.execute("delete from menu where itemcode='%s'"%(itemcode))

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ITEMCODE DELETED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

mydb.commit()

break

elif ch1==2:

print("Enter item details to be inserted: ") #iteminsertion

print("")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

itemcode=input("Enter item code: ")

category=input("Enter category: ")

name=input("Enter itemname: ")

price=input("Enter price: ")

mycursor.execute("insert into menu values ('%s','%s','%s','%s')"%(itemcode,category,name,price))

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ITEM INSERTED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

mydb.commit()

break

elif ch1==4: #display customer records

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DISPLAYING CUSTOMER RECORDS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

import csv

with open ("Crecord.csv", "r") as k:

csv\_w=csv.reader(k)

for i in csv\_w:

print(i)

break

elif ch1==5: #sending emails

import csv

listrecord=[]

while True:

print("Whom you want to send the mail: ")

print("1. Customer")

print("2. Co-worker")

print('3. Exit\n\n')

ch=int(input())

if ch==1:

with open("Crecord.csv","r") as k: # to customer

csv\_w=csv.reader(k)

for i in csv\_w:

if csv\_w.line\_num==1:

continue

print(i)

listrecord.append(i)

print('''---------------------------------------------------------------------------------------------------------------

\n Email to be sent to:

1. ALL THE CUSTOMERS

2. TO A FINITE NUMBER OF CUSTOMERS

---------------------------------------------------------------------------------------------------------------

''')

ch2=int(input())

if ch2==1:

sub=input("Enter subject: ")

print("")

str=input("Enter the message to be sent: ")

print("")

for j in listrecord:

email=j[5]

rmail(email,sub,str)

else:

sub=input("Enter subject: ")

print("")

str=input("Enter the message to be sent: ")

print("")

l\_id=[]

while True:

c\_id=input("Enter CUSTOMER ID of the recipient: ")

l\_id.append(c\_id)

choice=input("Do you want to enter more CUSTOMER ID's:(y/n): ")

if choice in 'nN':

for i in l\_id:

for j in listrecord:

if j[0]==i:

email=j[5]

rmail(email,sub,str)

break

if choice in 'yY':

continue

break

# to employee

elif ch==2:

with open("Erecord.csv","r") as k:

csv\_w=csv.reader(k)

for i in csv\_w:

if csv\_w.line\_num==1:

continue

print(i)

listrecord.append(i)

print('''---------------------------------------------------------------------------------------------------------------\n

Email to be sent to:

1. ALL THE EMPLOYEES

2. TO A FINITE NUMBER OF EMPLOYEES

---------------------------------------------------------------------------------------------------------------

''')

ch2=int(input())

if ch2==1:

sub=input("Enter subject: ")

print("")

str1=input("Enter the message to be sent: ")

print("")

for j in listrecord:

if j[5] !="NA":

email=j[5]

rmail(email,sub,str1)

else:

sub=input("Enter subject: ")

print("")

str=input("Enter the message to be sent: ")

print("")

l\_id=[]

while True:

c\_id=input("Enter EMPLOYEE ID of the recipient: ")

l\_id.append(c\_id)

choice=input("Do you want to enter more EMPLOYEE ID's:(y/n): ")

if choice in 'nN':

for i in l\_id:

if i not in "naNA":

for j in listrecord:

if j[0]==i:

email=j[5]

rmail(email,sub,str)

break

if choice in 'yY':

continue

break

else:

break

break

elif ch1==6: #UPDATING EMP RECORDS

import csv

import random

from easygui import passwordbox

agree=input("Are you the HEAD EMPLOYEE:(y/n) ")

if agree in "Yy":

password=passwordbox("Enter password: ")

if password=="rvtp001":

while True:

print('\n--------------------------------------------------------------------------------------------------------\n')

print("1. ADD RECORDS TO EMPLOYEE FILE")

print("2. DELETE RECORDS FROM EMPLOYEE FILE")

print("3. UPDATE EXISTING RECORDS")

print("4. EXIT")

print('\n--------------------------------------------------------------------------------------------------------\n')

ch1=int(input("Enter your choice: "))

print("")

print("")

if ch1==4:

break

elif ch1==1:

while True:

with open ("Erecord.csv","a") as f:

csvw=csv.writer(f)

empname=input("Enter new employee's name: ")

empadd=input("Enter new employee's address: ")

empph=input("Enter new employee's phone number: ")

empage=input("Enter new employee's age: ")

empmail=input("Enter new employee's email address: ")

empsal=input("Enter new employee's salary: ")

emprec=[random.randrange(1000,9000),empname,empadd,empph,empage,empmail,empsal]

csvw.writerow(emprec)

print("")

print("")

choice=input("Do you want to add more records:(y/n): ")

if choice in 'nN':

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* RECORD ENTERED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

elif ch1==2:

listrec=[]

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

csvr=csv.reader(f)

for i in csvr:

listrec.append(i)

print(i)

while True:

delrec= input("Enter Employee ID of the record you want to delete:")

for i in listrec:

for j in i:

if j==delrec:

listrec.remove(i)

with open("Erecord.csv","w") as f:

csvw=csv.writer(f)

for j in listrec:

csvw.writerow(j)

choice=input("Do you want to delete anymore records:(y/n) ")

if choice in 'nN':

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

print('')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* RECORD DELETED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print(":::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n")

break

elif ch1==3:

while True:

print('\n|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||\n')

print("1. UPDATE ADDRESS")

print("2. UPDATE PHONE NUMBER")

print("3. SALARY")

print("4. EXIT")

print('\n||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||n')

ch2=int(input("Enter your choice: "))

listrec=[]

if ch2 in[1,2,3]:

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

csvr=csv.reader(f)

for i in csvr:

listrec.append(i)

print(i)

if ch2==1:

while True:

empid= input("Enter Employee ID of the record you want to change the address for:")

newadd=input("Enter new address: ")

for i in range (len(listrec)):

if listrec[i][0]==empid:

listrec[i][2]=newadd

with open("Erecord.csv","w") as f:

csvw=csv.writer(f)

for i in listrec:

csvw.writerow(i)

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CHANGE IMPLEMENTED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n')

choice=input("Do you want to update address for anymore records:(y/n) ")

if choice in 'nN':

break

elif ch2==2:

while True:

empid= input("Enter Employee ID of the record you want to change the phone number for:")

newph=input("Enter new phone number: ")

for i in listrec:

if i[0]==empid:

i[3]=newph

with open("Erecord.csv","w") as f:

csvw=csv.writer(f)

for i in listrec:

csvw.writerow(i)

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CHANGE IMPLEMENTED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n')

choice=input("Do you want to update phone number for anymore records:(y/n) ")

if choice in 'nN':

break

elif ch2==3:

while True:

empid= input("Enter Employee ID of the record you want to change the salary for:")

inc=int(input("Enter the increament in salary: "))

for i in listrec:

if i[0]==empid:

i[6]=int(i[6])+inc

with open("Erecord.csv","w") as f:

csvw=csv.writer(f)

for i in listrec:

csvw.writerow(i)

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CHANGE IMPLEMENTED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n')

choice=input("Do you want to update salary for anymore records:(y/n) ")

if choice in 'nN':

break

elif ch2==4:

break

break

else:

print("!!!!!!!! INVALID PASSWORD !!!!!!")

else:

print("\n---------------------------------------------------------------------------------------------\nSORRY! YOU DON'T HAVE ACCESS TO THIS FACILITY\n")

print("---------------------------------------------------------------------------------------------\n")

break

elif ch1==8:

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* EXITING \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n')

break

elif ch1==7:

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n')

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DISPLAYING GRAPH \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print('::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n')

import graph

graph.graph()

break

else:

print("NOT A VALID CHOICE!!!!")

def rmail(mail,sub,msgfromretailer):

import smtplib

import csv

subject = sub

msg = msgfromretailer

server = smtplib.SMTP('smtp.gmail.com:587')

server.ehlo()

server.starttls()

server.login("steaminmugscs@gmail.com", "rvtp324612")

message = 'Subject: {}\n\n{}'.format(subject, msg)

server.sendmail("steaminmugscs@gmail.com",mail, message)

server.quit()

print("\n::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::")

print("\n\n")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* EMAIL SENT! \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("")

print("")

print("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::")

print("")

print("")

1. GRAPH:

import mysql.connector

from tabulate import tabulate

import matplotlib.pyplot as plt

def graph():

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='monday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y11=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='tuesday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y12=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='wednesday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y13=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='thursday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y14=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='friday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y15=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='saturday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y16=int(i[0])

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

mycursor=mydb.cursor()

sql="select sum(bill) from crecord where day='sunday'"

mycursor.execute(sql)

y1=mycursor.fetchall()

for i in y1:

y17=int(i[0])

x=["monday","tuesday","wednesday","thursday","friday","saturday","sunday"]

y=[y11,y12,y13,y14,y15,y16,y17]

print(y)

plt.plot(x,y)

plt.xlabel("days")

plt.ylabel("sales")

plt.title("sales analysis")

plt.show()

graph()