#PROGRAM FOR AIRLINE FOOD MANAGEMENT SYSTEM

import pickle

#Creating the data

def create\_air():

file=open("test11.dat","wb")

airline=[]

mainlist=[]

ans="y"

while ans=="y":

pno=int(input("Enter the passenger' number"))

name=input("Enter the passenger' name")

food=input("Enter your choice of food available in the menu")

airline=[pno, name,food]

mainlist.append(airline)

ans=input("Do you wish to proceed? \n Enter y/n:")

pickle.dump(mainlist,file)

file.close()

return

#create\_air()

#Searching for data

def search\_air():

file=open("test11.dat","rb")

found=False

mainlist=[]

while True:

try:

mainlist=pickle.load(file)

except EOFError:

break

schk=int(input("Enter the passenger number to be searched"))

for i in (mainlist):

if i[0]==schk:

print("The passenger data exists:", i)

found=True

if found==False:

print("Passenger record not found.")

file.close()

return

#search\_air()

#Updating data

def update\_air():

file=open("test11.dat","rb")

found=False

mainlist=[]

while True:

try:

mainlist=pickle.load(file)

except EOFError:

break

file.close()

uchk=int(input("Enter the passenger number whose menu has to be updated:"))

upfood=input("Enter the food item you wish to change:")

for i in (mainlist):

if i[0]==uchk:

print("Old record is:",i)

i[2]=upfood

print("Updated record is:", i)

found=True

if found==True:

file=open("test11.dat","wb")

pickle.dump(mainlist,file)

print("Record successfully updated!")

file.close()

else:

print("Update failed, record not found! Try again....")

return

#update\_air()

#Deleting data

def delete\_air():

mainlist=[]

found=False

file=open("test11.dat","rb")

while True:

try:

mainlist=pickle.load(file)

except EOFError:

break

file.close()

dchk=int(input("Enter the passenger number which has to be deleted"))

for i in mainlist:

if i[0]==dchk:

mainlist.remove(i)

found=True

print(mainlist)

print("Record successfully deleted!")

if found==True:

file=open("test11.dat","wb")

pickle.dump(mainlist,file)

file.close()

else:

print("Could not delete! Please try again.")

return

#delete\_air()

#MENU DRIVEN PART

choice=None

print("WELCOME TO SHELDON AIRLINES")

print("1. Enter passenger details")

print("2. Search for a passenger' details")

print("3. Update the food selection of a passenger")

print("4. Delete a passenger' ticket")

print("5. Exit menu")

while choice!=0:

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

if choice==1:

create\_air()

elif choice==2:

search\_air()

elif choice==3:

update\_air()

elif choice==4:

delete\_air()

elif choice==5:

print("Thankyou! Please visit again!")

break

else:

print("Invalid entry! Try again.")