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import time
import os

name_list = ['PRIYANSHU JHA', 'HARJASPAL SINGH', 'AYUSHI BHUTANI', 'PRINCE']
contact_list = [9518474744, 1234567890, 7894561230, 4567891230]

def Dlt():
    name = str(input("Enter Name to be Deleted from the Database: \n\t"))
    popping = name.upper()
    if popping in name_list:
        index = name_list.index(popping)
        time.sleep(2)
        print("{}: {} has been deleted from the Database".format(name_list[index], contact_list[index]))
        time.sleep(5)
        del name_list[index]
        del contact_list[index]
    else:
        os.system('cls')
        print("\n ----- No Such Name is Found in the Directory ----- \n")
        time.sleep(0.25)
        os.system('cls')

print(''''
CONTACT APPLICATION
----->"Forget the Old ways to Save & Store Your Contacts Manually , One Stop Solution to Save Your Contacts" <-----
~~~~~) VERSION 2.0 ( APLHA) (~~~~~)
''')

while(True):
    print("\n ----- 1. Add a New Contact ----- \n")
    print(" ----- 2. Delete a Contact ----- \n")
    print(" ----- 3. Search a Contact ----- \n")
    print(" ----- 4. Display all Contacts ----- \n")
    print(" ----- 5. Extract Multiple Contacts ----- \n")
    print(" ----- 0. Exit ----- \n")
    choice = input("Enter Your Choice: ")
    time.sleep(0.25)
    os.system('cls')
    if(choice == '1'):
        name = str(input("Enter The Name \n\t"))
        contact = int(input("Enter Contact Number \n\t"))
        name_list.append(name.upper())
        contact_list.append(contact)
        os.system('cls')
    elif(choice == '2'):
        Dlt()
        os.system('cls')

    elif(choice == '3'):
        print("\n ----- 1. Search by Name ----- \n")
        print(" ----- 2. Search by Contact ----- \n")
        usr_choice = input("Enter Your Choice: ")
        time.sleep(0.25)
        os.system('cls')
        if(usr_choice == '1'):
            name = str(input("Enter the Name of Contact You want to Search \n\t"))
            name = name.upper()
            if(name in name_list):
                index = name_list.index(name)
                os.system('cls')
                print("--- ", name_list[index], " : ", contact_list[index], " --- \n")
                time.sleep(1)
                os.system('cls')
            else:
                os.system('cls')
                print("\n ----- Sorry, Name Not Found ----- \n")
                time.sleep(0.50)
                os.system('cls')
        elif(usr_choice == '2'):
            while True:
                contact = input("Enter the Contact Number of Contact You want to Search \n\t")
                if contact.isnumeric():
                    contact = int(contact)
                    break
                else:
                    os.system('cls')
                    print("\n ----- Invalid Contact Number Entered ----- \n")
                    time.sleep(0.50)
                    os.system('cls')

            if(contact in contact_list):
                index = contact_list.index(contact)
                os.system('cls')
                print("--- ", name_list[index], " : ", contact_list[index], " --- \n")
                time.sleep(3)
                os.system('cls')

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else:
    os.system('cls')
    print("\n ----- Sorry, Contact Not Found ----- \n")
    time.sleep(0.50)
    os.system('cls')
else:
    os.system('cls')
    print("\n ----- INVALID CHOICE ----- \n")
    time.sleep(1)
    os.system('cls')
elif(choice == '4'):
    print("\n ----- Contacts ----- \n")
    for index in range(0, Len(name_list)):
        print("--- ", name_list[index], " : ", contact_list[index], " --- \n")
        time.sleep(1)
    time.sleep(2)
elif(choice == '5'):
    print("\n ----- Type 'exit' to quit entering names ----- \n")
    n_name = ""
    new_name_list = []
    new_contact_list = []
    while(n_name != "EXIT"):
        n_name = str(input())
        n_name=n_name.upper()
        if(n_name in name_list):
            index = name_list.index(n_name)
            new_name_list.append(name_list[index])
            new_contact_list.append(contact_list[index])
        for index in range(0, Len(new_name_list)):
            print("--- ", new_name_list[index], " : ", new_contact_list[index], " --- \n")
            time.sleep(0.5)
    elif(choice == '0'):
        print("\n ----- Thanks For Using Our Software!!! ----- \n")
        break
else:
    os.system('cls')
    print("\n ----- INVALID CHOICE ----- \n")
    time.sleep(0.25)
    os.system('cls')
    print("\n ----- RESTARTING..... ----- \n")
    time.sleep(0.25)
    os.system('cls')

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