**LEVEL-2**

**create a console-based contact book that allows users to add, delete, search, and display contacts. Contacts should be stored in a text file using python**

import os

# File to store contacts

FILE\_NAME = 'contacts.txt'

def add\_contact():

name = input("Enter contact name: ").strip()

phone = input("Enter contact phone number: ").strip()

email = input("Enter contact email: ").strip()

with open(FILE\_NAME, 'a') as file:

file.write(f"{name},{phone},{email}\n")

print("Contact added successfully!")

def delete\_contact():

name = input("Enter the name of the contact to delete: ").strip()

found = False

contacts = []

with open(FILE\_NAME, 'r') as file:

contacts = file.readlines()

with open(FILE\_NAME, 'w') as file:

for contact in contacts:

if contact.split(',')[0].strip() != name:

file.write(contact)

else:

found = True

if found:

print("Contact deleted successfully.")

else:

print("Contact not found.")

def search\_contact():

name = input("Enter the name to search: ").strip()

found = False

with open(FILE\_NAME, 'r') as file:

for line in file:

contact\_name, phone, email = line.strip().split(',')

if contact\_name.lower() == name.lower():

print(f"Name: {contact\_name}, Phone: {phone}, Email: {email}")

found = True

break

if not found:

print("Contact not found.")

def display\_contacts():

if os.path.exists(FILE\_NAME):

print("\nContacts:")

with open(FILE\_NAME, 'r') as file:

for line in file:

contact\_name, phone, email = line.strip().split(',')

print(f"Name: {contact\_name}, Phone: {phone}, Email: {email}")

else:

print("No contacts found.")

def main():

while True:

print("\nContact Book")

print("1. Add Contact")

print("2. Delete Contact")

print("3. Search Contact")

print("4. Display All Contacts")

print("5. Exit")

choice = input("Enter your choice: ")

if choice == '1':

add\_contact()

elif choice == '2':

delete\_contact()

elif choice == '3':

search\_contact()

elif choice == '4':

display\_contacts()

elif choice == '5':

print("Exiting Contact Book. Goodbye!")

break

else:

print("Invalid choice. Please try again.")

if \_\_name\_\_ == "\_\_main\_\_":

main()