1. **Setup**
   * Set up your development environment with Python installed.
2. **Data Structure**
   * Decide on a data structure to store contact information. A dictionary is a good choice, where the keys are names and the values are contact details.
3. **Menu System**
   * Create a simple menu system to interact with the user and perform various actions.
4. **Adding Contacts**
   * Implement functionality to add new contacts.
5. **Viewing Contacts**
   * Implement functionality to view the list of contacts.
6. **Searching Contacts**
   * Implement functionality to search for contacts.
7. **Editing Contacts**
   * Implement functionality to edit contact information.
8. **Deleting Contacts**

Impliment functionality to delete contact information

# Step 2: Data Structure

contacts = {}

# Step 3: Menu System

def show\_menu():

print("Contact Management System")

print("1. Add Contact")

print("2. View Contacts")

print("3. Search Contact")

print("4. Edit Contact")

print("5. Delete Contact")

print("6. Exit")

# Step 4: Adding Contacts

def add\_contact():

name = input("Enter name: ")

phone = input("Enter phone number: ")

email = input("Enter email: ")

contacts[name] = {'Phone': phone, 'Email': email}

print("Contact added successfully!")

# Step 5: Viewing Contacts

def view\_contacts():

if contacts:

print("Contacts:")

for name, details in contacts.items():

print(f"Name: {name}, Phone: {details['Phone']}, Email: {details['Email']}")

else:

print("No contacts found.")

# Step 6: Searching Contacts

def search\_contact():

name = input("Enter name to search: ")

if name in contacts:

details = contacts[name]

print(f"Name: {name}, Phone: {details['Phone']}, Email: {details['Email']}")

else:

print("Contact not found.")

# Step 7: Editing Contacts

def edit\_contact():

name = input("Enter name to edit: ")

if name in contacts:

print(f"Editing contact: {name}")

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

email = input("Enter new email: ")

contacts[name] = {'Phone': phone, 'Email': email}

print("Contact updated successfully!")

else:

print("Contact not found.")

# Step 8: Deleting Contacts

def delete\_contact():

name = input("Enter name to delete: ")

if name in contacts:

del contacts[name]

print("Contact deleted successfully!")

else:

print("Contact not found.")

# Main loop

while True:

show\_menu()

choice = input("Enter your choice: ")

if choice == '1':

add\_contact()

elif choice == '2':

view\_contacts()

elif choice == '3':

search\_contact()

elif choice == '4':

edit\_contact()

elif choice == '5':

delete\_contact()

elif choice == '6':

print("Exiting the program.")

break

else:

print("Invalid choice. Please select a valid option.")