

```
contacts = [] # list to store all contacts
```

```
def add_contact():
```

```
    name = input("Enter name: ")
```

```
    phone = input("Enter phone: ")
```

```
    email = input("Enter email: ")
```

```
    address = input("Enter address: ")
```

```
    contact = {"name": name, "phone": phone, "email": email, "address": address}
```

```
    contacts.append(contact)
```

```
    print("Contact added!")
```

```
def view_contacts():
```

```
    if len(contacts) == 0:
```

```
        print("No contacts yet.")
```

```
    else:
```

```
        print("\nContact List:")
```

```
        for i, c in enumerate(contacts):
```

```
            print(f"{i+1}. {c['name']} - {c['phone']}")
```

```
def search_contact():
```

```
    search = input("Enter name or phone to search: ")
```

```
    for c in contacts:
```

```
        if c["name"] == search or c["phone"] == search:
```

```
            print("\nContact Found:")
```

```
            print("Name:", c["name"])
```

```
            print("Phone:", c["phone"])
```

```
            print("Email:", c["email"])
```

```
            print("Address:", c["address"])
```

```
            return
```

```
    print("Contact not found.")
```

```
def update_contact():
    name = input("Enter name of contact to update: ")
    for c in contacts:
        if c["name"] == name:
            print("Leave blank if you don't want to change.")
            new_phone = input(f"New phone ({c['phone']}): ") or c["phone"]
            new_email = input(f"New email ({c['email']}): ") or c["email"]
            new_address = input(f"New address ({c['address']}): ") or c["address"]

            c["phone"] = new_phone
            c["email"] = new_email
            c["address"] = new_address

            print("Contact updated!")
            return
    print("Contact not found.")
```

```
def delete_contact():
    name = input("Enter name of contact to delete: ")
    for c in contacts:
        if c["name"] == name:
            contacts.remove(c)
            print("Contact deleted!")
            return
    print("Contact not found.")
```

```
def menu():
    while True:
        print("\n---- Contact Book ----")
        print("1. Add Contact")
```

```
print("2. View Contacts")
print("3. Search Contact")
print("4. Update Contact")
print("5. Delete Contact")
print("6. Exit")

choice = input("Enter your choice: ")

if choice == "1":
    add_contact()
elif choice == "2":
    view_contacts()
elif choice == "3":
    search_contact()
elif choice == "4":
    update_contact()
elif choice == "5":
    delete_contact()
elif choice == "6":
    print("Goodbye!")
    break
else:
    print("Invalid choice. Try again.")
```

```
menu()
```

OUTPUT:

---- Contact Book ----

1. Add Contact

2. View Contacts

3. Search Contact

4. Update Contact

5. Delete Contact

6. Exit

Enter your choice: 1

Enter name: samiksha

Enter phone: 24445677

Enter email: abc@gmail.com

Enter address: mumbai

Contact added!

---- Contact Book ----

1. Add Contact

2. View Contacts

3. Search Contact

4. Update Contact

5. Delete Contact

6. Exit

Enter your choice: 2

Contact List:

1. samiksha - 24445677

---- Contact Book ----

1. Add Contact

2. View Contacts

3. Search Contact

4. Update Contact

5. Delete Contact

6. Exit

Enter your choice: 3

Enter name or phone to search: samiksha

Contact Found:

Name: samiksha

Phone: 24445677

Email: abc@gmail.com

Address: mumbai

---- Contact Book ----

1. Add Contact
2. View Contacts
3. Search Contact
4. Update Contact
5. Delete Contact
6. Exit

Enter your choice: 4

Enter name of contact to update: samiksha

Leave blank if you don't want to change.

New phone (24445677):

New email (abc@gmail.com): xyz@gmail.com

New address (mumbai):

Contact updated!

---- Contact Book ----

1. Add Contact
2. View Contacts
3. Search Contact
4. Update Contact
5. Delete Contact
6. Exit

Enter your choice: 6

Goodbye!