Simple Contact Book

```
import csv
import os

FILENAME = "contacts.csv"

def load_contacts():
    if not os.path.exists(FILENAME):
        return []
    with open(FILENAME, mode='r', newline='') as file:
        return list(csv.DictReader(file))

def save_contacts(contacts):
    with open(FILENAME, mode='w', newline='') as file:
        writer = csv.DictWriter(file, fieldnames=["Name", "Phone", "Email"])
        writer.writeheader()
        writer.writerows(contacts)

def add_contact():
    name = input("Enter name: ")
    phone = input("Enter phone: ")
    email = input("Enter email: ")
    contacts.append({"Name": name, "Phone": phone, "Email": email})
    save_contacts(contacts)
    print("Contact added!\n")

def view_contacts():
    if not contacts:
        print("No contacts found.\n")
        return
    for i, contact in enumerate(contacts, start=1):
        print(f"{i}. {contact['Name']} - {contact['Phone']} - {contact['Email']}")
    print()

def search_contact():
    name = input("Enter name to search: ").lower()
    found = [c for c in contacts if name in c["Name"].lower()]
    if found:
        for contact in found:
            print(f"{contact['Name']} - {contact['Phone']} - {contact['Email']}")
    else:
        print("No match found.")
    print()

def delete_contact():
    view_contacts()
```

```
    idx = int(input("Enter contact number to delete: ")) - 1
    if 0 <= idx < len(contacts):
        removed = contacts.pop(idx)
        save_contacts(contacts)
        print(f"Deleted {removed['Name']}\n")
    else:
        print("Invalid choice.\n")

# Main app loop
contacts = load_contacts()
while True:
    print("1. Add Contact")
    print("2. View Contacts")
    print("3. Search Contact")
    print("4. Delete Contact")
    print("5. Exit")
    choice = input("Choose an option: ")

    if choice == "1":
        add_contact()
    elif choice == "2":
        view_contacts()
    elif choice == "3":
        search_contact()
    elif choice == "4":
        delete_contact()
    elif choice == "5":
        print("Goodbye!")
        break
    else:
        print("Invalid option, try again.\n")
```