contacts = {}

def add\_contact(name, phone\_number):

if name in contacts:

print(f"Contact '{name}' already exists.")

else:

contacts[name] = phone\_number

print(f"Contact '{name}' added successfully.")

def delete\_contact(name):

if name in contacts:

del contacts[name]

print(f"Contact '{name}' deleted successfully.")

else:

print(f"Contact '{name}' not found.")

def search\_contact(name):

phone\_number = contacts.get(name)

if phone\_number:

print(f"Contact '{name}' found. Phone number: {phone\_number}")

else:

print(f"Contact '{name}' not found.")

def view\_contacts():

if not contacts:

print("No contacts available.")

else:

print("Contacts:")

for name, phone\_number in contacts.items():

print(f"{name}: {phone\_number}")

def main():

while True:

print("\nContact Book")

print("1. Add contact")

print("2. Delete contact")

print("3. Search contact")

print("4. View all contacts")

print("5. Exit")

choice = input("Choose an option: ")

if choice == "1":

name = input("Enter contact name: ")

phone\_number = input("Enter phone number: ")

add\_contact(name, phone\_number)

elif choice == "2":

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

delete\_contact(name)

elif choice == "3":

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

search\_contact(name)

elif choice == "4":

view\_contacts()

elif choice == "5":

print("Exiting the Contact Book. Goodbye!")

break

else:

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

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

main()