**CONTACT BOOK**

class ContactBook:

def \_\_init\_\_(self):

self.contacts = {}

def add(self, name, number):

self.contacts[name] = number

def delete(self, name):

self.contacts.pop(name, None)

def update(self, name, number):

if name in self.contacts:

self.contacts[name] = number

def view(self):

for name, number in self.contacts.items():

print(f"Name: {name}, Number: {number}")

def search(self, name):

print(f"Name: {name}, Number: {self.contacts.get(name, 'Contact not found')}")

def main():

contact\_book = ContactBook()

while True:

print("\n1. Add contact")

print("2. Delete contact")

print("3. Update contact")

print("4. View all contacts")

print("5. Search contact")

print("6. Exit")

choice = input("Enter your choice: ")

if choice == "1":

contact\_book.add(input("Enter name: "), input("Enter number: "))

elif choice == "2":

contact\_book.delete(input("Enter name to delete: "))

elif choice == "3":

contact\_book.update(input("Enter name to update: "), input("Enter new number: "))

elif choice == "4":

contact\_book.view()

elif choice == "5":

contact\_book.search(input("Enter name to search: "))

elif choice == "6":

print("Exiting program.")

break

else:

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

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

main()