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import json

# Function to load contacts from a file
def load_contacts(filename):
    try:
        with open(filename, 'r') as file:
            return json.load(file)
    except FileNotFoundError:
        return []

# Function to save contacts to a file
def save_contacts(filename, contacts):
    with open(filename, 'w') as file:
        json.dump(contacts, file, indent=4)

# Function to add a new contact
def add_contact(contacts):
    name = input("Enter name: ")
    phone = input("Enter phone number: ")
    email = input("Enter email: ")
    address = input("Enter address: ")
    contacts.append({"name": name, "phone": phone, "email": email,
"address": address})
    print(f"Contact {name} added successfully.")

# Function to view all contacts
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def view_contacts(contacts):
    if not contacts:
        print("No contacts to show.")
    else:
        for idx, contact in enumerate(contacts):
            print(f"{idx + 1}. Name: {contact['name']}, Phone:
{contact['phone']}")


# Function to search for a contact by name or phone number
def search_contacts(contacts):
    query = input("Enter name or phone number to search: ")
    found_contacts = [contact for contact in contacts if query.lower()
in contact['name'].lower() or query in contact['phone']]
    if found_contacts:
        for contact in found_contacts:
            print(f"Name: {contact['name']}, Phone: {contact['phone']},
Email: {contact['email']}, Address: {contact['address']}")
    else:
        print("No contacts found.")


# Function to update a contact
def update_contact(contacts):
    query = input("Enter the name of the contact to update: ")
    for contact in contacts:
        if contact['name'].lower() == query.lower():
            contact['name'] = input(f"Enter new name (leave blank to
keep '{contact['name']}'): ") or contact['name']
            contact['phone'] = input(f"Enter new phone number (leave
blank to keep '{contact['phone']}'): ") or contact['phone']
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            contact['email'] = input(f"Enter new email (leave blank to
keep '{contact['email']}'): ") or contact['email']
            contact['address'] = input(f"Enter new address (leave blank
to keep '{contact['address']}'): ") or contact['address']
            print("Contact updated successfully.")
            return
    print("Contact not found.")

# Function to delete a contact
def delete_contact(contacts):
    query = input("Enter the name of the contact to delete: ")
    for contact in contacts:
        if contact['name'].lower() == query.lower():
            contacts.remove(contact)
            print(f"Contact {contact['name']} deleted successfully.")
            return
    print("Contact not found.")

def main():
    filename = "contacts.json"
    contacts = load_contacts(filename)

    while True:
        print("\nContact Book Application")
        print("1. Add Contact")
        print("2. View Contacts")
        print("3. Search Contact")
        print("4. Update Contact")
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        print("5. Delete Contact")
        print("6. Exit")

        choice = input("Enter your choice: ")

        if choice == '1':
            add_contact(contacts)
        elif choice == '2':
            view_contacts(contacts)
        elif choice == '3':
            search_contacts(contacts)
        elif choice == '4':
            update_contact(contacts)
        elif choice == '5':
            delete_contact(contacts)
        elif choice == '6':
            save_contacts(filename, contacts)
            print("Exiting the contact book. Goodbye!")
            break
        else:
            print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()
```