

## Mini Python Project: Contact Book

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Project Title: **Simple Contact Book (CLI Version)**



Duration:

1-2 hours



Objective:

Build a command-line Contact Book where users can:

1. Add a new contact (Name & Phone Number)
2. View all contacts
3. Search a contact by name
4. Delete a contact
5. Exit the program



What You Will Learn:

- Using **dictionaries** to store data
- Working with **loops** and **conditional statements**
- Writing and calling **functions**
- Taking **user input** and displaying output
- Basic **menu-driven** program logic



Features to Implement:

### 1. **Add Contact**

- Ask user for name and phone number
- Save them in a dictionary

### 2. **View Contacts**

- Display all saved contacts
- Format: Name: PhoneNumber

### 3. **Search Contact**

- Ask user to enter the contact name
- Display number if found, else show “Contact not found”

### 4. **Delete Contact**

- Ask user for the name to delete

- Remove from the dictionary if found

## 5. *Exit*

- Exit the application cleanly

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### Example Console Interaction:

```
--- Contact Book ---
```

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

```
Choose an option: 1
```

```
Enter name: Alice
```

```
Enter number: 9876543210
```

```
Contact saved.
```

```
Choose an option: 2
```

```
Alice: 9876543210
```

```
Choose an option: 3
```

```
Enter name to search: Alice
```

```
Alice: 9876543210
```

```
Choose an option: 4
```

```
Enter name to delete: Alice
```

```
Deleted successfully.
```

```
Choose an option: 5
```

```
Goodbye!
```

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### Tips:

- Use `while True:` loop to keep showing the menu
- Use a dictionary to store contacts where name is the key and phone number is the value
- Use functions to organize your code