



TASK 5 : CONTACT BOOK

```
class Contact:
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```
    def __init__(self, name, phone, email, address):  
        self.name = name  
        self.phone = phone  
        self.email = email  
        self.address = address
```

```
class ContactBook:
```

```
    def __init__(self):  
        self.contacts = []  
  
    def add(self):  
        print("\nAdd New Contact")  
        c = Contact(  
            input("Name: "),  
            input("Phone: "),  
            input("Email: "),  
            input("Address: "))  
        self.contacts.append(c)  
        print("Contact added!")  
  
    def view(self):  
        if not self.contacts:  
            print("No contacts!")  
            return  
        print("\n--- Your Contacts ---")  
        for i, c in enumerate(self.contacts, 1):
```

```
for i, c in enumerate(self.contacts, 1):
    print(f'{i}. Name : {c.name} | Phone : {c.phone} |Email : {c.email} |Address : {c.address}')
def search(self):
    name = input("Search Name: ").lower()
    for c in self.contacts:
        if c.name.lower() == name:
            print("Found:")
            print("Name:", c.name)
            print("Phone:", c.phone)
            print("Email:", c.email)
            print("Address:", c.address)
            return
    print("No contact found.")
def delete(self):
    self.view()
    num = int(input("Enter contact number to delete: "))
    self.contacts.pop(num - 1)
    print("Deleted!")
def run(self):
    while True:
        print("\n===== CONTACT BOOK =====")
        print("1. Add")
        print("2. View")
        print("3. Search")
        print("4. Delete")
```

```
print("No contact found.")

def delete(self):
    self.view()
    num = int(input("Enter contact number to delete: "))
    self.contacts.pop(num - 1)
    print("Deleted!")

def run(self):
    while True:
        print("\n===== CONTACT BOOK =====")
        print("1. Add")
        print("2. View")
        print("3. Search")
        print("4. Delete")
        print("5. Exit")
        choice = input("Choice: ")
        if choice == '1': self.add()
        elif choice == '2': self.view()
        elif choice == '3': self.search()
        elif choice == '4': self.delete()
        elif choice == '5':
            print("Bye!")
            break
        else:
            print("Invalid choice.")

ContactBook().run()
```

===== CONTACT BOOK =====

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

Choice: 1**Add New Contact****Name: akshaya****Phone: 1234567890****Email: akshaya@gmail.com****Address: chennai****Contact added!****===== CONTACT BOOK =====**

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

Choice: 1**Add New Contact****Name: malathi**

Add New Contact**Name: malathi****Phone: 1324536475****Email: malathi@gmail.com****Address: theni****Contact added!****===== CONTACT BOOK =====****1. Add****2. View****3. Search****4. Delete****5. Exit****Choice: 3****Search Name: malathi****Found:****Name: malathi****Phone: 1324536475****Email: malathi@gmail.com****Address: theni****===== CONTACT BOOK =====****1. Add****2. View**

===== CONTACT BOOK =====

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

Choice: 4

--- Your Contacts ---

1. Name : akshaya | Phone : 1234567890 |Email : akshaya@gmail.com |Address : chennai
2. Name : malathi | Phone : 1324536475 |Email : malathi@gmail.com |Address : theni

Enter contact number to delete: 1

Deleted!

===== CONTACT BOOK =====

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

Choice: 2

--- Your Contacts ---

1. Name : malathi | Phone : 1324536475 |Email : malathi@gmail.com |Address : theni

1. Name : akshaya | Phone : 1234567890 |Email : akshaya@gmail.com |Address : chennai

2. Name : malathi | Phone : 1324536475 |Email : malathi@gmail.com |Address : theni

Enter contact number to delete: 1

Deleted!

===== CONTACT BOOK =====

1. Add

2. View

3. Search

4. Delete

5. Exit

Choice: 2

--- Your Contacts ---

1. Name : malathi | Phone : 1324536475 |Email : malathi@gmail.com |Address : theni

===== CONTACT BOOK =====

1. Add

2. View

3. Search

4. Delete

5. Exit

Choice: 5

Bye!

THE END