TASK:5 (CONTACT BOOK)

Contact Information: Store name, phone number, email, and address for each contact.Add Contact: Allow users to add new contacts with their details.View Contact List: Display a list of all saved contacts with names and phone numbers.Search Contact: Implement a search function to find contacts by name or phone number.Update Contact: Enable users to update contact details.Delete Contact: Provide an option to delete a contactUser Interface: Design a user-friendly interface for easy interaction.

```
contact_info = []

while True:
    print("\nAdd, View, Search, Update, Delete, Exit")
    contact = input("Choose an action: ")

    if contact == "Add":
        Name = input("Enter the name: ")
        Ph_Number = input("Enter the number: ")
        Email = input("Enter the email id: ")
        Address = input("Enter the address: ")
        contact_info.append({"Name": Name, "Phone": Ph_Number,
"Email": Email, "Address": Address})
        print("Contact information added!")

    elif contact == "View":
        if contact_info:
            print("\nContact List:")
            for c in contact_info:
                print(f"Name: {c['Name']}, Phone: {c['Phone']}, Email:
{c['Email']}, Address: {c['Address']}")
        else:
            print("No contacts available.")

    elif contact == "Update":
        Name_to_Update = input("Enter the name to update: ")
        for c in contact_info:
            if c["Name"] == Name_to_Update:
                c["Name"] = input(f"Enter new name (current:
{c['Name']}): ") or c["Name"]
                c["Phone"] = input(f"Enter new phone (current:
{c['Phone']}): ") or c["Phone"]
                c["Email"] = input(f"Enter new email (current:
{c['Email']}): ") or c["Email"]
                c["Address"] = input(f"Enter new address (current:
{c['Address']}): ") or c["Address"]
                print("Contact updated!")
                break
        else:
            print("Contact not found!")
```

```
    elif contact == "Search":
        Search_Name = input("Enter the name to search: ")
        for c in contact_info:
            if c["Name"] == Search_Name:
                print("Contact found:", c)
                break
        else:
            print("Contact not found.")

    elif contact == "Delete":
        Name_to_Delete = input("Enter the name to delete: ")
        for c in contact_info:
            if c["Name"] == Name_to_Delete:
                contact_info.remove(c)
                print("Contact deleted!")
                break
        else:
            print("Contact not found.")

    elif contact == "Exit":
        print("Exiting the program!")
        break

    else:
        print("Invalid choice, try again.")
```

```
Add, View, Search, Update, Delete, Exit

Choose an action:  Add
Enter the name:  Xaden
Enter the number:  90757
Enter the email id:  saegyl@123
Enter the address:  Fire Wings

Contact information added!

Add, View, Search, Update, Delete, Exit

Choose an action:  Add
Enter the name:  Violet
Enter the number:  67668
Enter the email id:  vio@565
```