

tb1x0.py

```
1 # Function to add a contact to the contact book
2 def add_contact(contact_book):
3     name = input("Enter the name of the contact: ")
4     number = input("Enter the phone number: ")
5     contact_book[name] = number
6     print("Contact added successfully!")
7
8
9 # Function to view all contacts in the contact book
10 def view_contacts(contact_book):
11     if contact_book:
12         print("Contacts:")
13         for name, number in contact_book.items():
14             print(f"{name}: {number}")
15     else:
16         print("No contacts found.")
17
18
19 # Function to search for a contact by name
20 def search_contact(contact_book):
21     name = input("Enter the name of the contact to search: ")
22     if name in contact_book:
23         print(f"Phone number of {name}: {contact_book[name]}")
24     else:
25         print(f"No contact found with the name {name}.")
26
27
28 # Main function
29 def main():
30     contact_book = {}
31     while True:
32         print("\nMenu:")
33         print("1. Add Contact")
34         print("2. View Contacts")
35         print("3. Search Contact")
36         print("4. Exit")
37         choice = input("Enter your choice: ")
38
39         if choice == "1":
40             add_contact(contact_book)
41         elif choice == "2":
42             view_contacts(contact_book)
43         elif choice == "3":
44             search_contact(contact_book)
45         elif choice == "4":
46             print("Exiting the program.")
47             break
48         else:
49             print("Invalid choice. Please try again.")
50
51
52 if __name__ == "__main__":
53     main()
```