

cse project.py - C:\Users\Admin\Documents\cse project.py (3.12.5)

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#simple contact book for college project

```
import json

def load_contact():
    try:
        with open('contacts.json','r') as f:
            return json.load(f)
    except:
        return {}

def save_contacts(data):
    with open('contacts.json','w') as f:
        json.dump(data,f,indent=2)

def add_contact(contacts):
    print("\n---add contact---")
    name=input('enter name')
    phone=int(input('enter phone number'))
    email=input('email (optional):')
    contacts[name]={
        "phone":phone,"email":email
    }
```

Type here to search



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15:10
ENG
23-11-2025

```
save_contacts(contacts)
print('contact saved successfully')

def view_contacts(contacts):
    print("\n---all contacts---")
    if len(contacts)==0:
        print('no contacts found')
        return

    for n in contacts:
        print('name:',n)
        print('phone:',contacts[n]['phone'])
        if contacts[n]['email']:
            print('email:',contacts[n]['email'])
        print('---')

def search_contact(contacts):
    print("\n---search contact---")
    name=input('enter name to search')

    if name in contacts:
        print('contact found')
```



```
print('name:',name)
print('phone:',contacts[name]['phone'])
print('email:',contacts[name]['email'])
else:
    print('no such contact.')

def delete_contact(contacts):
    print("\n---delete contact---")
    name=input('enter name to delete:')

    if name in contacts:
        del contacts[name]
        save_contacts(contacts)
        print('contact deleted')
    else:
        print('contact not found')

def main():
    contacts=load_contact()
    while True:
        print("\n====CONTACT BOOK====")
        print("1.add contact")
        print("2.view contact")
```



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```
Format Run Options Window Help
print("4.delete contact")
print("5.exit")

ch=input('choose an option')

if ch=="1":
    add_contact(contacts)
elif ch=="2":
    view_contacts(contacts)
elif ch=="3":
    search_contact(contacts)
elif ch=="4":
    delete_contact(contacts)
elif ch=="5":
    print('thank you for using contact book')
    break
else:
    print('invalid option,try again')

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

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

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```
IDLE Shell 3.12.5
File Edit Shell Debug Options Window Help
Python 3.12.5 (tags/v3.12.5:ff3bc82, Aug 6 2024, 20:45:27) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Admin\Documents\cse project.py

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option1

---add contact---
enter name:lakshya
enter phone number:89756356
email (optional):lakshya12@gmail.com
contact saved successfully

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
```

```
IDLE Shell 3.12.5
File Edit Shell Debug Options Window Help
3.search contact
4.delete contact
5.exit
choose an option2

---all contacts---
name: lakshya
phone: 89756356
email: lakshya12@gmail.com
---

====CONTACT BOOK====
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option3

---search contact---
enter name to searchlakshya
contact found
name: lakshya
```



```
IDLE Shell 3.12.5
File Edit Shell Debug Options Window Help
name: lakshya
phone: 89756356
email: lakshya12@gmail.com

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option4

----delete contact---
enter name to delete:lakshya
contact deleted

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option2
```

```
IDLE Shell 3.12.5
File Edit Shell Debug Options Window Help
enter name to delete.taksriya
contact deleted

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option2

---all contacts---
no contacts found

====CONTACT BOOK===
1.add contact
2.view contact
3.search contact
4.delete contact
5.exit
choose an option5
thank you for using contact book
>>>
```

