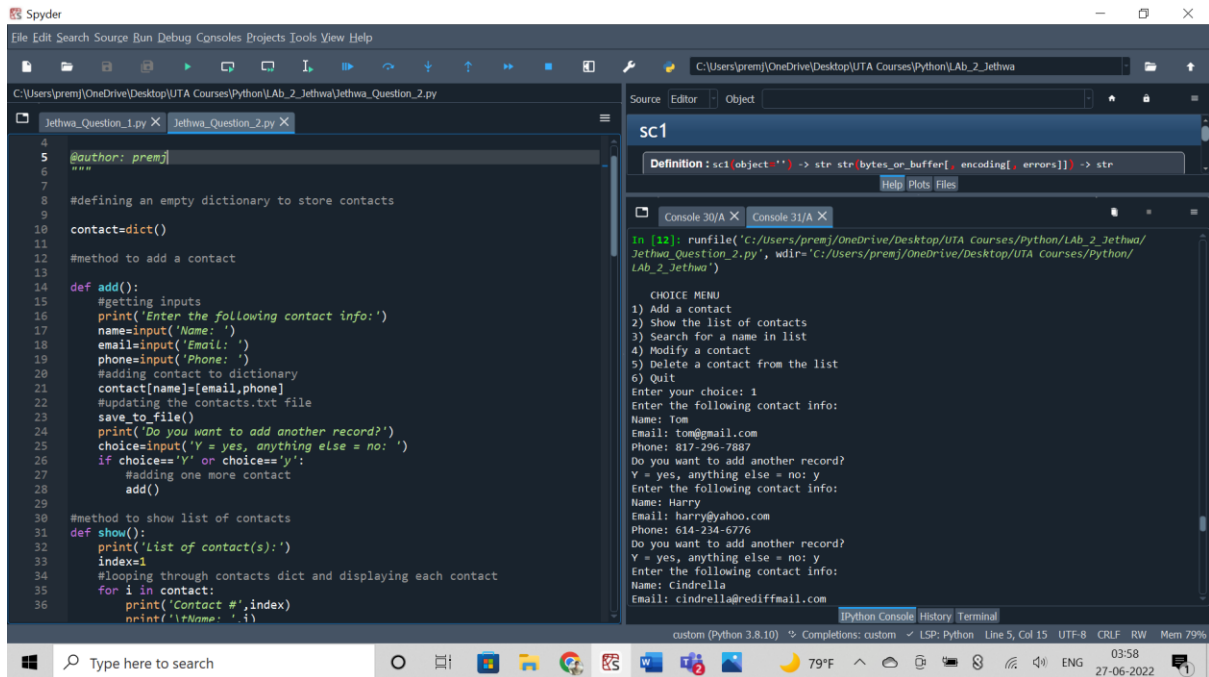


Question 2

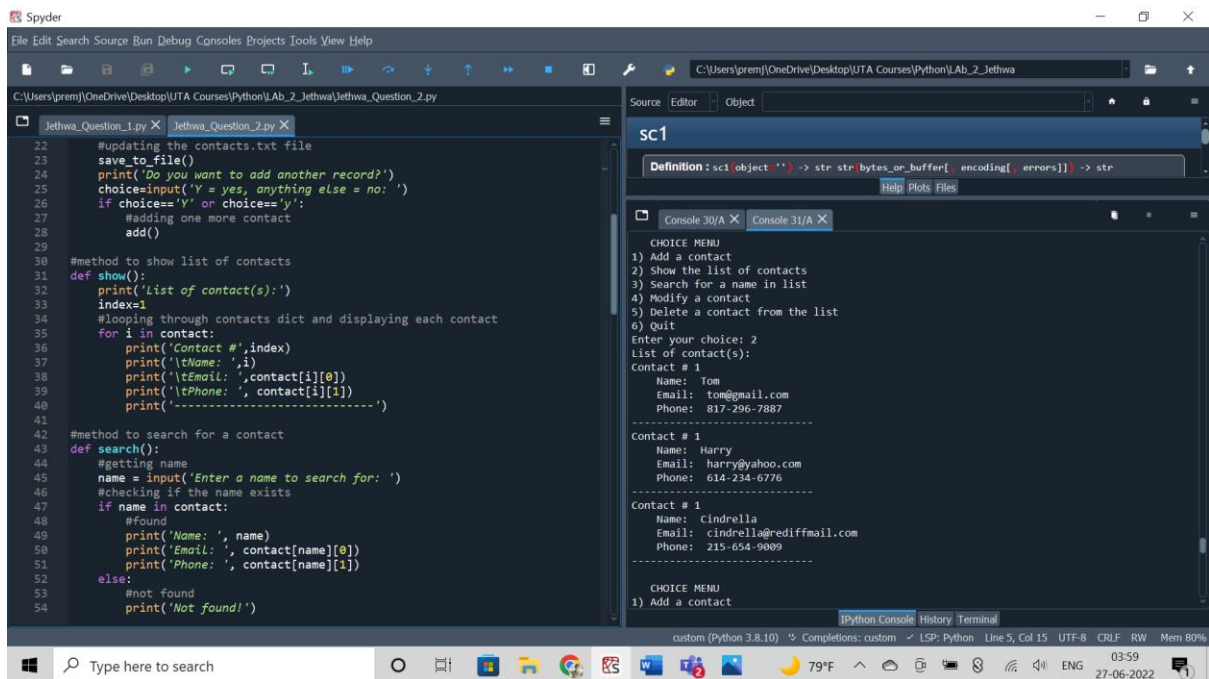


The screenshot shows the Spyder IDE with a Python file named `Jethwa_Question_2.py`. The code defines a dictionary to store contacts and two functions: `add()` and `show()`. The `add()` function prompts the user for contact information and adds it to the dictionary. The `show()` function displays the list of contacts. The console shows the program running and prompting for user input.

```
4 #author: premj
5 """
6
7
8 #defining an empty dictionary to store contacts
9
10 contact=dict()
11
12 #method to add a contact
13
14 def add():
15     #getting inputs
16     print('Enter the following contact info:')
17     name=input('Name: ')
18     email=input('Email: ')
19     phone=input('Phone: ')
20     #adding contact to dictionary
21     contact[name]=[email,phone]
22     #updating the contacts.txt file
23     save_to_file()
24     print('Do you want to add another record?')
25     choice=input('Y = yes, anything else = no: ')
26     if choice=='Y' or choice=='y':
27         #adding one more contact
28         add()
29
30 #method to show list of contacts
31 def show():
32     print('List of contact(s):')
33     index=1
34     #looping through contacts dict and displaying each contact
35     for i in contact:
36         print('Contact #',index)
37         print('Name: ',i)
38         print('Email: ',contact[i][0])
39         print('Phone: ',contact[i][1])
40         print('-----')
```

Console 31/A X

```
In [12]: runfile('C:/Users/premj/OneDrive/Desktop/UTA Courses/Python/Lab_2_Jethwa/Jethwa_Question_2.py', wdir='C:/Users/premj/OneDrive/Desktop/UTA Courses/Python/Lab_2_Jethwa')
CHOICE MENU
1) Add a contact
2) Show the list of contacts
3) Search for a name in list
4) Modify a contact
5) Delete a contact from the list
6) Quit
Enter your choice: 1
Enter the following contact info:
Name: Tom
Email: tom@gmail.com
Phone: 817-296-7887
Do you want to add another record?
Y = yes, anything else = no: y
Enter the following contact info:
Name: Harry
Email: harry@yahoo.com
Phone: 614-234-6776
Do you want to add another record?
Y = yes, anything else = no: y
Enter the following contact info:
Name: Cindrella
Email: cindrella@rediffmail.com
```

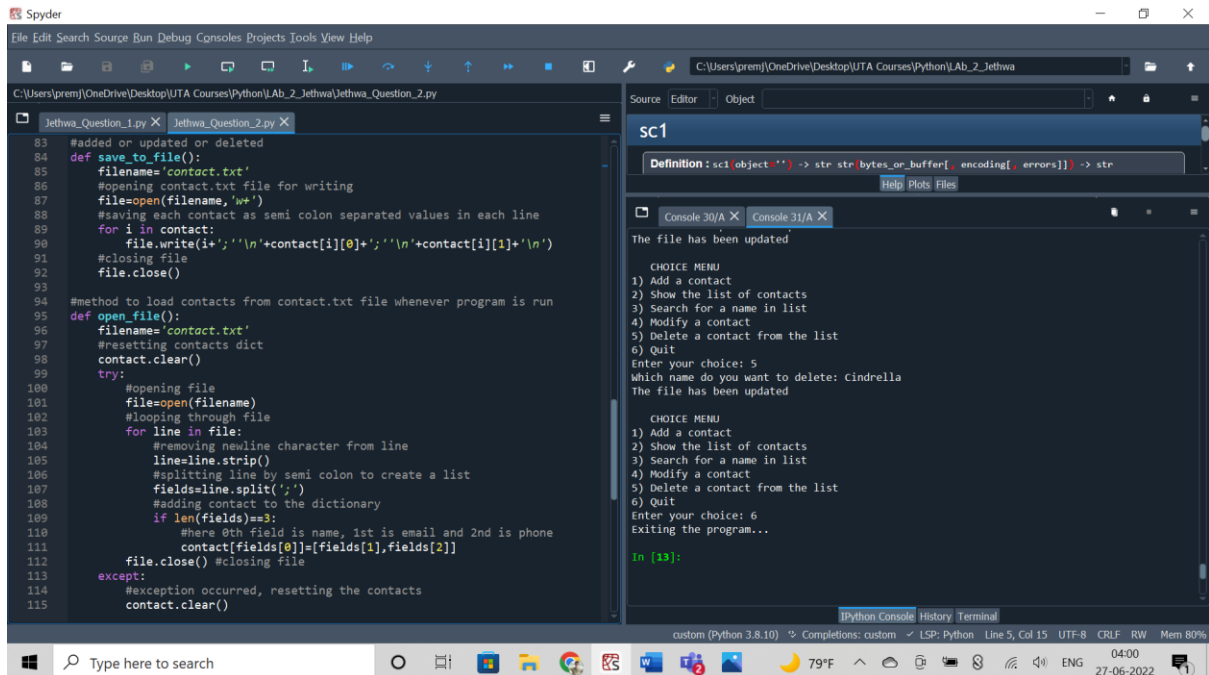
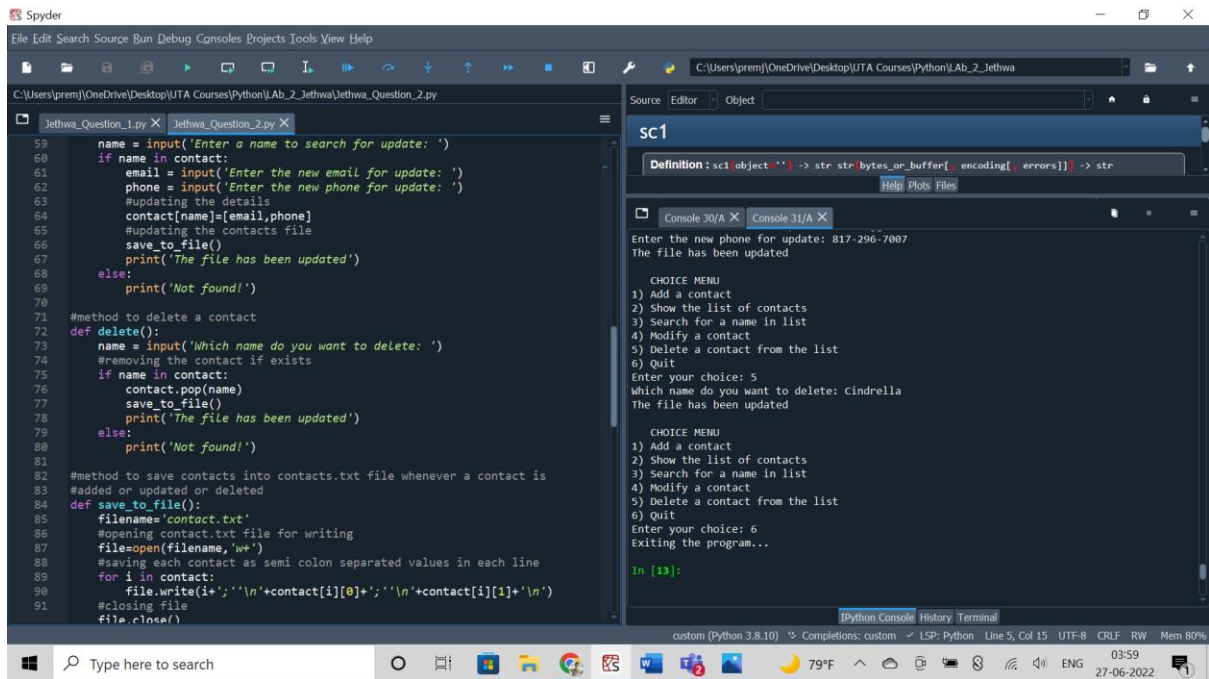


The screenshot shows the Spyder IDE with the updated `Jethwa_Question_2.py` file. The code now includes a `search()` function and a `delete()` function. The console shows the program running and displaying the list of contacts.

```
22 #updating the contacts.txt file
23 save_to_file()
24 print('Do you want to add another record?')
25 choice=input('Y = yes, anything else = no: ')
26 if choice=='Y' or choice=='y':
27     #adding one more contact
28     add()
29
30 #method to show list of contacts
31 def show():
32     print('List of contact(s):')
33     index=1
34     #looping through contacts dict and displaying each contact
35     for i in contact:
36         print('Contact #',index)
37         print('Name: ',i)
38         print('Email: ',contact[i][0])
39         print('Phone: ',contact[i][1])
40         print('-----')
41
42 #method to search for a contact
43 def search():
44     #getting name
45     name = input('Enter a name to search for: ')
46     #checking if the name exists
47     if name in contact:
48         #found
49         print('Name: ', name)
50         print('Email: ', contact[name][0])
51         print('Phone: ', contact[name][1])
52     else:
53         #not found
54         print('Not found!')
```

Console 31/A X

```
CHOICE MENU
1) Add a contact
2) Show the list of contacts
3) Search for a name in list
4) Modify a contact
5) Delete a contact from the list
6) Quit
Enter your choice: 2
List of contact(s):
Contact # 1
Name: Tom
Email: tom@gmail.com
Phone: 817-296-7887
-----
Contact # 1
Name: Harry
Email: harry@yahoo.com
Phone: 614-234-6776
-----
Contact # 1
Name: Cindrella
Email: cindrella@rediffmail.com
Phone: 215-654-9009
-----
CHOICE MENU
1) Add a contact
```

Spyder

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Users\prem\OneDrive\Desktop\UTA Courses\Python\Lab_2_Jethwa\Jethwa_Question_2.py

Jethwa_Question_1.py Jethwa_Question_2.py

```
118 def main():
119     #loading current contacts from contact.txt file
120     open_file()
121     #looping until user wishes to quit
122     choice=0
123     while choice!=6:
124         #displaying menu
125         print('\n CHOICE MENU')
126         print('1) Add a contact')
127         print('2) Show the List of contacts')
128         print('3) Search for a name in List')
129         print('4) Modify a contact')
130         print('5) Delete a contact from the List')
131         print('6) Quit')
132         #getting choice
133         choice=int(input('Enter your choice: '))
134         #handling choice
135         if choice==1:
136             add()
137         elif choice==2:
138             show()
139         elif choice==3:
140             search()
141         elif choice==4:
142             modify()
143         elif choice==5:
144             delete()
145         elif choice==6:
146             print('Exiting the program...')
147         elif choice!=6:
148             print('Invalid choice!')
149     #invoking main method
150     main()
```

sc1

Definition: sc1(object:*) -> str str bytes_or_buffer[, encoding[, errors]] -> str

Help Plots Files

Console 30/A X Console 31/A X

The file has been updated

CHOICE MENU

- 1) Add a contact
- 2) Show the list of contacts
- 3) Search for a name in list
- 4) Modify a contact
- 5) Delete a contact from the list
- 6) Quit

Enter your choice: 5

Which name do you want to delete: Cinderella

The file has been updated

CHOICE MENU

- 1) Add a contact
- 2) Show the list of contacts
- 3) Search for a name in list
- 4) Modify a contact
- 5) Delete a contact from the list
- 6) Quit

Enter your choice: 6

Exiting the program...

In [13]:

Python Console History Terminal

custom (Python 3.8.10) Completions: custom LSP: Python Line 5, Col 15 UTF-8 CRLF RW Mem 80%

Type here to search

79°F 04:00 27-06-2022