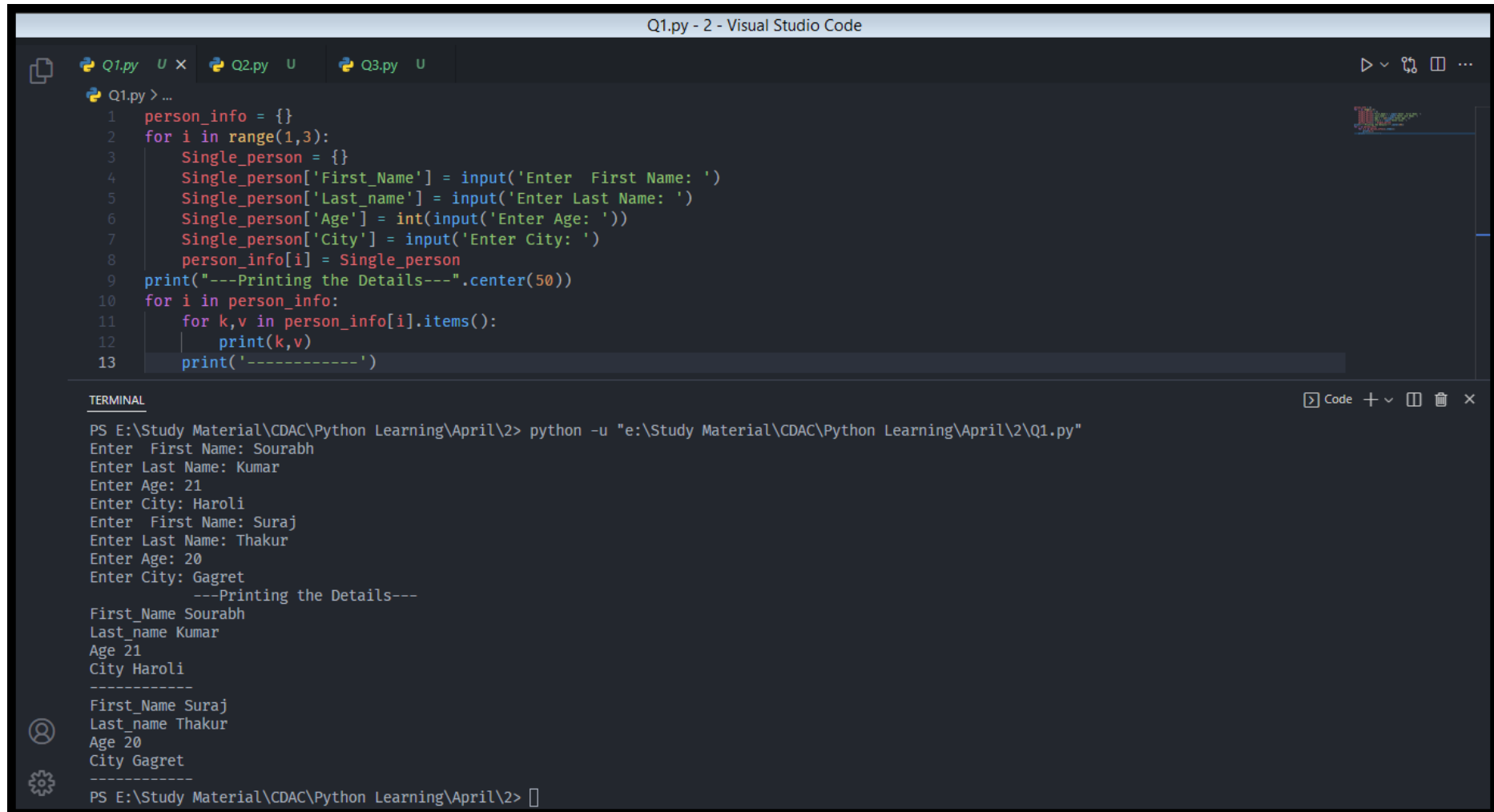


Assignment - 6: Sourabh

Q1.



The image shows a Visual Studio Code editor window titled "Q1.py - 2 - Visual Studio Code". The editor has three tabs open: "Q1.py", "Q2.py", and "Q3.py". The "Q1.py" tab is active, displaying a Python script. The script defines a dictionary to store person information and uses a loop to collect data for three people. It then prints the details for each person. The terminal window at the bottom shows the execution of the script, with prompts for user input and the resulting output.

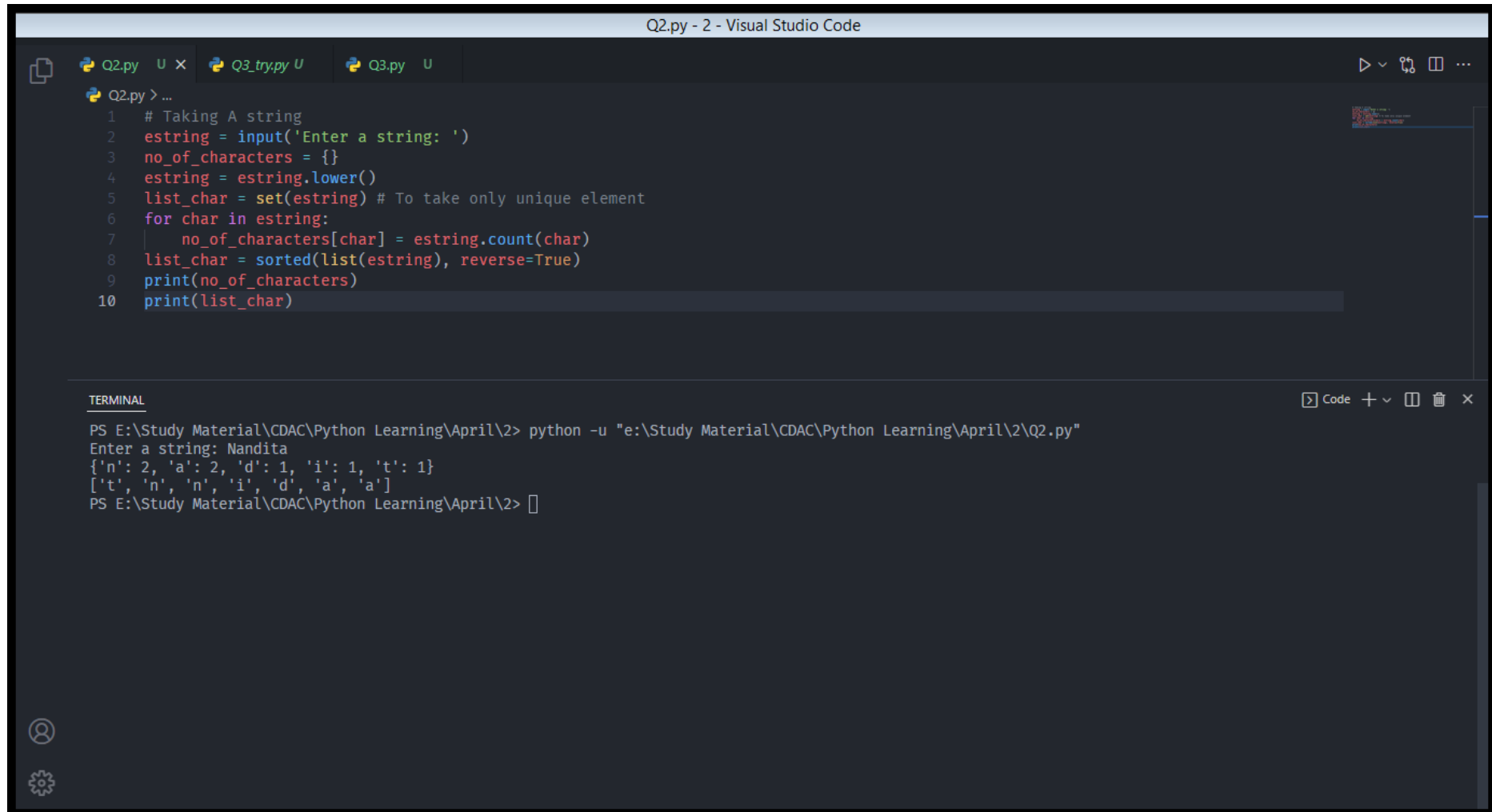
```
Q1.py > ...
1  person_info = {}
2  for i in range(1,3):
3      Single_person = {}
4      Single_person['First_Name'] = input('Enter First Name: ')
5      Single_person['Last_name'] = input('Enter Last Name: ')
6      Single_person['Age'] = int(input('Enter Age: '))
7      Single_person['City'] = input('Enter City: ')
8      person_info[i] = Single_person
9  print("---Printing the Details---".center(50))
10 for i in person_info:
11     for k,v in person_info[i].items():
12         print(k,v)
13     print('-----')
```

TERMINAL

```
PS E:\Study Material\CDAC\Python Learning\April\2> python -u "e:\Study Material\CDAC\Python Learning\April\2\Q1.py"
Enter First Name: Sourabh
Enter Last Name: Kumar
Enter Age: 21
Enter City: Haroli
Enter First Name: Suraj
Enter Last Name: Thakur
Enter Age: 20
Enter City: Gagret
      ---Printing the Details---
First_Name Sourabh
Last_name Kumar
Age 21
City Haroli
-----
First_Name Suraj
Last_name Thakur
Age 20
City Gagret
-----
PS E:\Study Material\CDAC\Python Learning\April\2> █
```

Assignment - 6: Sourabh

Q2.



The screenshot displays the Visual Studio Code interface. The top bar indicates the file is 'Q2.py - 2 - Visual Studio Code'. The editor shows a Python script with the following code:

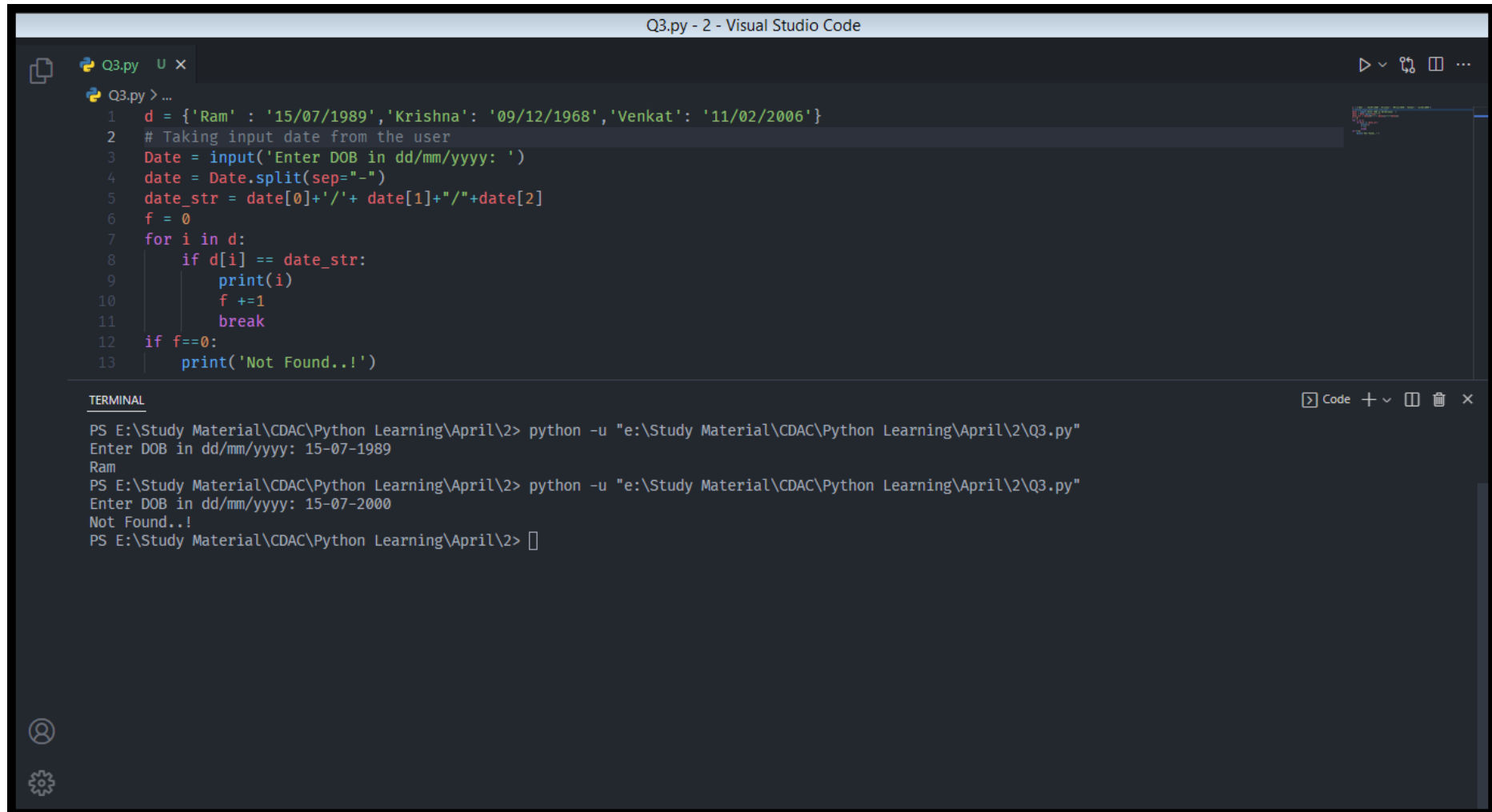
```
1 # Taking A string
2 eststring = input('Enter a string: ')
3 no_of_characters = {}
4 eststring = eststring.lower()
5 list_char = set(eststring) # To take only unique element
6 for char in eststring:
7     no_of_characters[char] = eststring.count(char)
8 list_char = sorted(list(eststring), reverse=True)
9 print(no_of_characters)
10 print(list_char)
```

Below the code editor is the 'TERMINAL' panel. It shows the command prompt execution of the script:

```
PS E:\Study Material\CDAC\Python Learning\April\2> python -u "e:\Study Material\CDAC\Python Learning\April\2\Q2.py"
Enter a string: Nandita
{'n': 2, 'a': 2, 'd': 1, 'i': 1, 't': 1}
['t', 'n', 'n', 'i', 'd', 'a', 'a']
PS E:\Study Material\CDAC\Python Learning\April\2> 
```

Assignment - 6: Sourabh

Q3.



The screenshot displays the Visual Studio Code interface. The top panel shows a file named 'Q3.py' with the following Python code:

```
1 d = {'Ram' : '15/07/1989','Krishna': '09/12/1968','Venkat': '11/02/2006'}
2 # Taking input date from the user
3 Date = input('Enter DOB in dd/mm/yyyy: ')
4 date = Date.split(sep="-")
5 date_str = date[0]+'/' + date[1]+'/'+date[2]
6 f = 0
7 for i in d:
8     if d[i] == date_str:
9         print(i)
10        f +=1
11        break
12 if f==0:
13     print('Not Found..!')
```

The bottom panel is a terminal window titled 'TERMINAL'. It shows the execution of the script twice:

```
PS E:\Study Material\CDAC\Python Learning\April\2> python -u "e:\Study Material\CDAC\Python Learning\April\2\Q3.py"
Enter DOB in dd/mm/yyyy: 15-07-1989
Ram
PS E:\Study Material\CDAC\Python Learning\April\2> python -u "e:\Study Material\CDAC\Python Learning\April\2\Q3.py"
Enter DOB in dd/mm/yyyy: 15-07-2000
Not Found..!
PS E:\Study Material\CDAC\Python Learning\April\2> 
```