🔴 Task 06

Topics: Dictionaries in Python, Keys, Values, Dictionary Methods, Adding, Removing, Changing items

main.py

```python
1   favorite_number = {}
2   active = True
3 v while active:
4       name = input("Enter you name: \n")
5       fav_num = int(input('Enter your
    favourite number:\n'))
6       favorite_number[name] = fav_num
7
8       choice = input("Press 'q' to QUIT
    else press any key:\n")
9 v     if choice.lower() == 'q':
10          active = False
11  print(favorite_number)
```

```
Enter you name:                        🔍 🗑
Nauman
Enter your favourite number:
365
Press 'q' to QUIT else press any key:
0
Enter you name:
nauman
Enter your favourite number:
365
Press 'q' to QUIT else press any key:
q
{'Nauman': 365, 'nauman': 365}
> ▮
```

main.py

```python
1 v favorite_languages = {
2       'jen': 'python',
3       'sarah': 'c',
4       'edward': 'ruby',
5       'phil': 'python',
6   }
7   programmers = ['phil', 'josh', 'david', 'becca', 'sarah',
    'matt', 'danielle']
8
9 v for prog in programmers:
10 v    if prog in favorite_languages.keys():
11          print("Thanks! " + prog.title() + " for taking
    the poll")
12 v    else:
13          print(prog.title() + ", Whats your favourite
    programming language?")
14
15  # 6-7 People
16  personal_info_1 = {'first-name': 'Zaryab', 'last-name':
    'Shahzad', 'Age': '22', 'city': 'Rawalpindi'}
17  personal_info_2 = {'first-name': 'Uzair', 'last-name':
    'Asim', 'Age': '21', 'city': 'Islamabad'}
18  personal_info_3 = {'first-name': 'Usama', 'last-name':
    'Saeed', 'Age': '23', 'city': 'Haripur'}
19
20  people = [personal_info_1, personal_info_2,
    personal_info_3]
21
22 v for p in people:
23      print(p)
```

```
Thanks! Phil for taking the poll         🔍 🗑
Josh, Whats your favourite programming language?
David, Whats your favourite programming language?
Becca, Whats your favourite programming language?
Thanks! Sarah for taking the poll
Matt, Whats your favourite programming language?
Danielle, Whats your favourite programming language?
{'first-name': 'Zaryab', 'last-name': 'Shahzad', 'Age':
 '22', 'city': 'Rawalpindi'}
{'first-name': 'Uzair', 'last-name': 'Asim', 'Age': '21
', 'city': 'Islamabad'}
{'first-name': 'Usama', 'last-name': 'Saeed', 'Age': '2
3', 'city': 'Haripur'}
> ▮
```

```python
1    #Favourite numbers
2 v  favorite_numbers = {
3        'Nauman': [4, 365],
4        'Ali': [42, 30, 56],
5        'Abdullah': [6, 12],
6    }
7
8 v  for name, numbers in favorite_numbers.items():
9        print("\n" + name.title() + " likes the following
     numbers:")
10 v       for number in numbers:
11            print("  " + str(number))
```

```
Nauman likes the following numbers:
  4
  365

Ali likes the following numbers:
  42
  30
  56

Abdullah likes the following numbers:
  6
  12
```

End