

FileEditSelectionViewGoRunTerminalHelp

New folder

task 1st q2.py

task 1st q2.py > ...

```
1 # CREATING A LIST
2 fruits = ['apple', 'banana', 'cherry']
3
4 # Accessing elements
5 print(fruits[0])
6
7 # Modifying elements
8 fruits[1] = 'blueberry'
9 print(fruits)
10
11 # Adding elements
12 fruits.append('date')
13 print(fruits)
14
15 # Removing elements
16 fruits.remove('cherry')
17 print(fruits)
18
19 # CREATING A DICTIONARY
20 person = {'name': 'Alice', 'age': 30, 'city': 'New York'}
21
22 # Accessing values
23 print(person['name'])
24
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

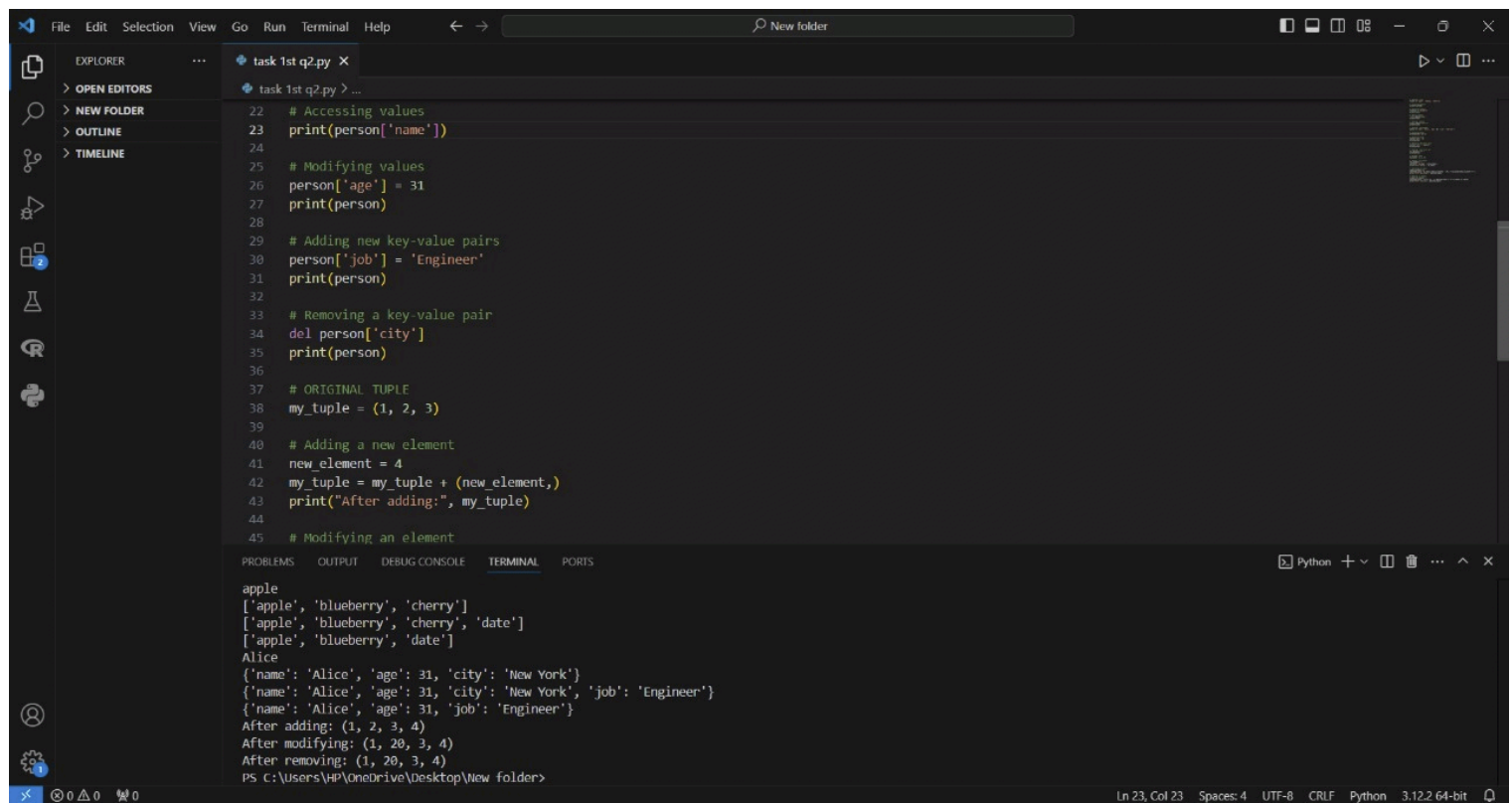
TERMINAL

PORTS

Python + -

apple
['apple', 'blueberry', 'cherry']
['apple', 'blueberry', 'cherry', 'date']
['apple', 'blueberry', 'date']
Alice
{'name': 'Alice', 'age': 31, 'city': 'New York'}
{'name': 'Alice', 'age': 31, 'city': 'New York', 'job': 'Engineer'}
{'name': 'Alice', 'age': 31, 'job': 'Engineer'}
After adding: (1, 2, 3, 4)
After modifying: (1, 20, 3, 4)
After removing: (1, 20, 3, 4)
PS C:\Users\HP\OneDrive\Desktop\New folder>

Ln 23, Col 23 Spaces: 4 UTF-8 CRLF Python 3.12.2 64-bit



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a file named 'task 1st q2.py'. The main editor area displays the following Python code:

```
32
33 # Removing a key-value pair
34 del person['city']
35 print(person)
36
37 # ORIGINAL TUPLE
38 my_tuple = (1, 2, 3)
39
40 # Adding a new element
41 new_element = 4
42 my_tuple = my_tuple + (new_element,)
43 print("After adding:", my_tuple)
44
45 # Modifying an element
46 index_to_modify = 1
47 modified_tuple = my_tuple[:index_to_modify] + (20,) + my_tuple[index_to_modify + 1:]
48 print("After modifying:", modified_tuple)
49
50 # Removing an element
51 element_to_remove = 2
52 modified_tuple = tuple(x for x in modified_tuple if x != element_to_remove)
53 print("After removing:", modified_tuple)
54
55 |
```

The bottom panel shows the TERMINAL output:

```
apple
['apple', 'blueberry', 'cherry']
['apple', 'blueberry', 'cherry', 'date']
['apple', 'blueberry', 'date']
Alice
{'name': 'Alice', 'age': 31, 'city': 'New York'}
{'name': 'Alice', 'age': 31, 'city': 'New York', 'job': 'Engineer'}
{'name': 'Alice', 'age': 31, 'job': 'Engineer'}
After adding: (1, 2, 3, 4)
After modifying: (1, 20, 3, 4)
After removing: (1, 20, 3, 4)
PS C:\Users\HP\OneDrive\Desktop\New folder>
```

The status bar at the bottom indicates the file is at Line 55, Column 1, using UTF-8 encoding with CRLF line endings. The Python interpreter version is 3.12.2 64-bit.