

The image shows a Visual Studio Code editor window with a Python file named 'Tuples.py'. The code defines a tuple 'a' and demonstrates various tuple operations like counting, indexing, and type checking. The terminal at the bottom shows the command to run the script and the resulting output, which includes the tuple's contents, the count of a specific element, its index, and the types of different tuple elements.

```
File Edit Selection View Go Run Terminal Help
Tuples.py - Python - Visual Studio Code

Tuples.py X
C:\Users\Manas\OneDrive\Documents\Python Classes> Tuples.py > ...
1 a = (1,2,23,4,5,67,56,34,56,67,67,56,24,34,56,67,8,78,23)
2 print(type(a))
3 # a[3] = 45 # Tuple does not support item modification or updating an element in tuple
4
5 b = a.count(67) # Number of times the given element appears in the tuple
6
7 c = a.index(67) # Returns the index of the First occurrence of the Element
8
9 print(f"The Given Tuple is {a}")
10 print(f"The Number of times 67 appears in the Tuple is {b}")
11 print(f"The First occurrence of the element 67 occurs in the index {c}")
12
13
14 d = (1,) # Without the comma at the end the type of the element will be int and not tuple
15 print(type(d))
16
17 e = ("Hell",1,3,4,5,6,(3,4,5,6),{'Product': ('A',"B")})
18 print(type(e))
19 # e[6][2] = 546
20 print(e)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Python + Python

```
PS C:\Users\Manas\OneDrive\Documents\Python> & C:/Users/Manas/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/Manas/OneDrive/Documents/Python Classes/Tuples.py"
<class 'tuple'>
The Given Tuple is (1, 2, 23, 4, 5, 67, 56, 34, 56, 67, 67, 56, 24, 34, 56, 67, 8, 78, 23)
The Number of times 67 appears in the Tuple is 4
The First occurrence of the element 67 occurs in the index 5
<class 'tuple'>
<class 'tuple'>
('Hell', 1, 3, 4, 5, 6, (3, 4, 5, 6), {'Product': ('A', 'B')})
PS C:\Users\Manas\OneDrive\Documents\Python>
```

main 0 0 0 Ln 20, Col 9 Spaces: 4 UTF-8 CRUF Python 3.11.1 64-bit Go Live