

The image shows a Visual Studio Code window with a Python file named `Tuples.py`. The script defines a tuple `a` and allows the user to update its elements based on their index and the desired data type. The terminal output shows the program's execution, including prompts for element index and type, and the final tuple state.

```
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 a = list(a)
3 i = int(input("Enter the Number of Elements you want to Change : "))
4 while i > 0 :
5     n = int(input("Enter the Index which you want to Change or Update : "))
6     d = input("Enter the Datatype of the Element you want to Enter : \nA : str \tB : int\nC : bool\tD : float\n : ")
7     c = input("Enter the Element you want to Enter : ")
8     if d == "str" :
9         a[n] = str(c)
10    elif d == "int" :
11        a[n] = int(c)
12    elif d == "bool" :
13        d = bool(c)
14    elif d == "float" :
15        a[n] = float(c)
16    i = i - 1
17 a = tuple(a)
18 print(a)
19 print(type(a))

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
A : str      B : int
C : bool     D : float
: float
Enter the Element you want to Enter : 89.56
Enter the Index which you want to Change or Update : 5
Enter the Datatype of the Element you want to Enter :
A : str      B : int
C : bool     D : float
: str
Enter the Element you want to Enter : Get_Lost
(1, 89.56, 23, 4, 5, 'Get_Lost', 56, 34, 56, 67, 67, 56, 24, 34, 56, 67, 8, 78, 23)
<class 'tuple'>
PS C:\Users\Manas\OneDrive\Documents\Python>
```