

# Debugging Code

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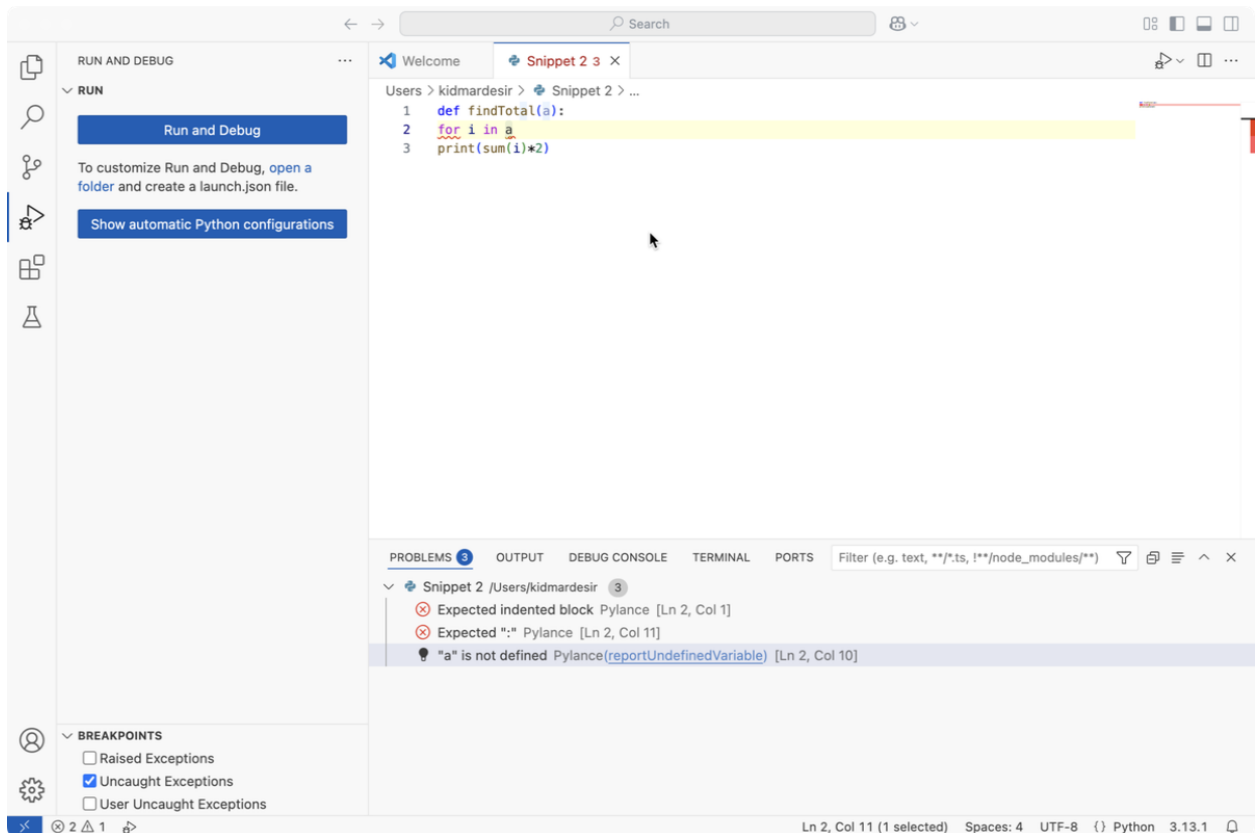
## Code Snippet 2:

```
def findTotal(a):  
    for i in a  
        print(sum(i)*2)
```

1. Syntax Error in `<<for i in a>>`. The for loop is missing a colon (:) at the end of the line.
2. The `<<print(sum(i)*2)>>` line is not indented properly.
3. The variable `i` represents an element of the iterable `a`. If `a` is a list of lists (or any iterable of iterables), `sum(i)` would work. However, if `a` is a flat list (e.g., `[1, 2, 3]`), `sum(i)` would raise a `TypeError` because `i` would be an integer, and `sum()` expects an iterable.

### **To fix it:**

1. Add the missing colon at the end of the `<<for>>` loop line



2. Indent the `<<print(sum(i)*2)>>` line.
3. If **a** is a flat list (`[1, 2, 3]`), the function should sum all elements of **a** and multiply the result by 2.
4. If **a** is a list of lists (`[1, 2], [3, 4]`), the function should sum each sublist and multiply the result by 2.

### The corrected code:

```
def findTotal(a):
```

```
    total = sum(a) * 2
```

```
    print(total)
```

- If **a** is a flat list (`[1, 2, 3]`)

```
def findTotal(a):
```

for i in a:

total = sum(i) \* 2

print(total)

- If **a** is a list of lists ([[1, 2], [3, 4]])