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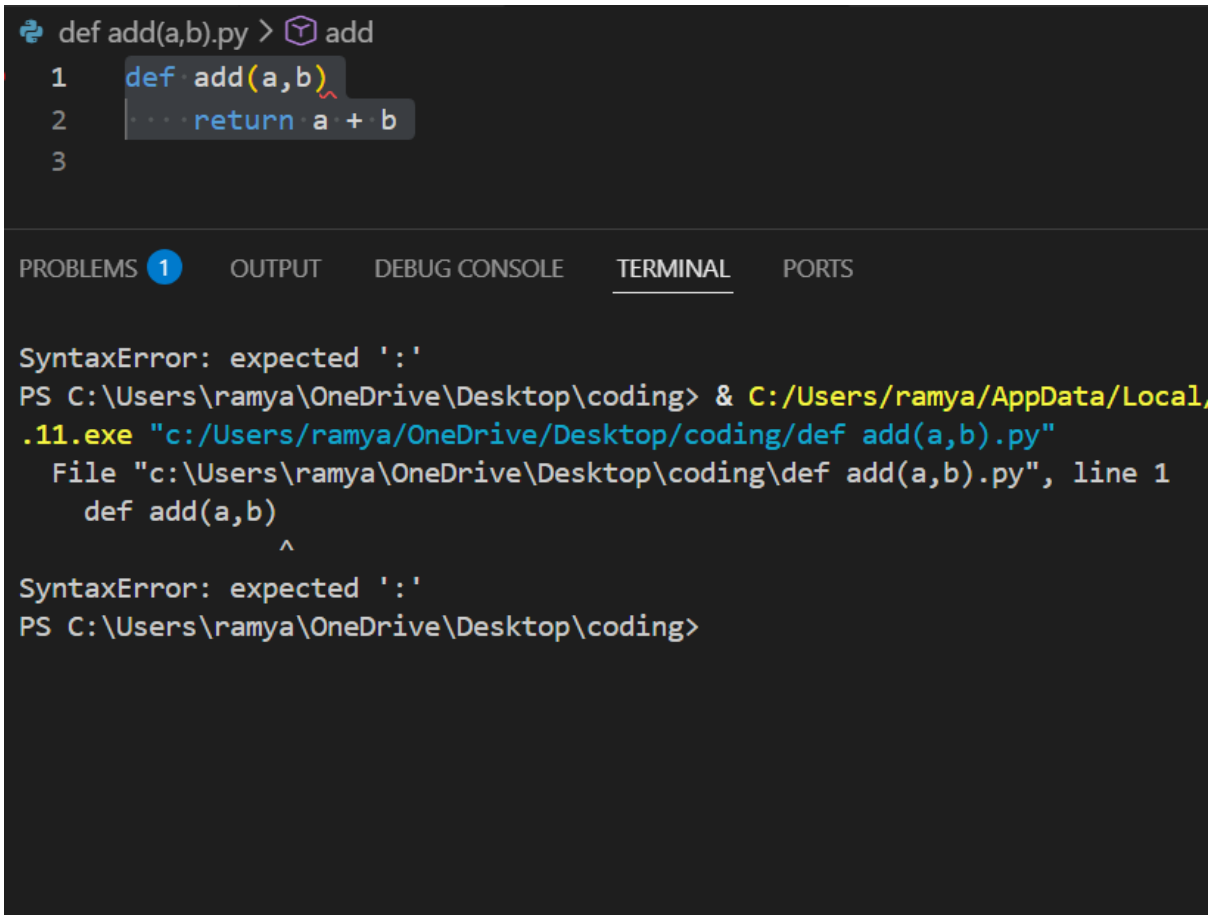
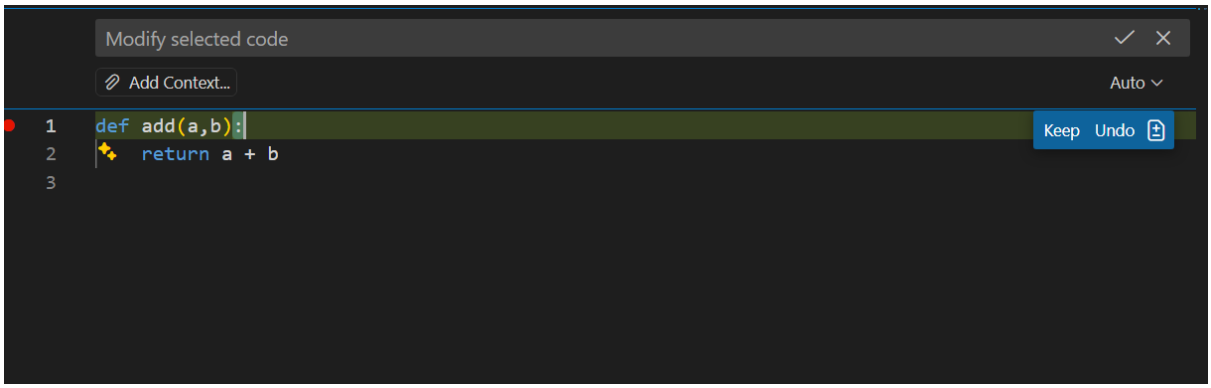
TASK-1:





Workspace

Used 1 reference

The error occurs because your function definition is missing a colon (`:`) at the end of the `def` line. In Python, you must add a colon after the function signature.

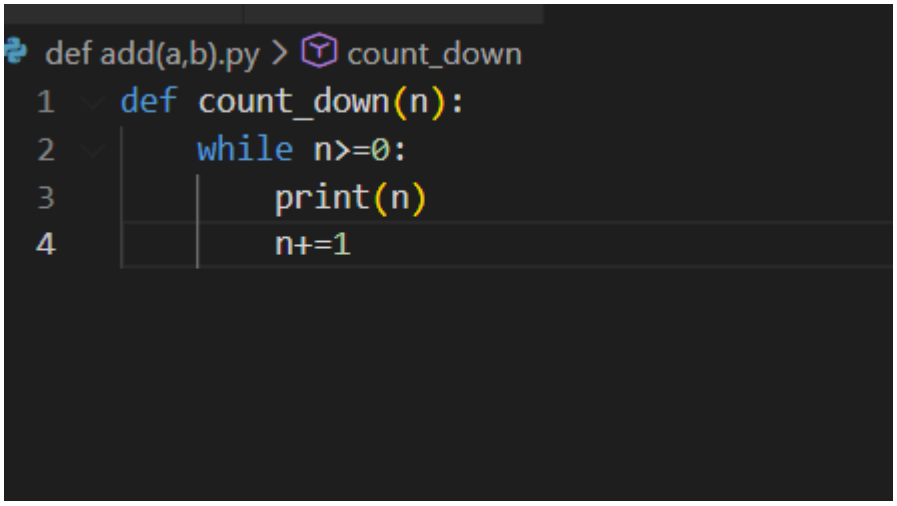
Here's the corrected code:

```
def add(a, b):
    return a + b
```

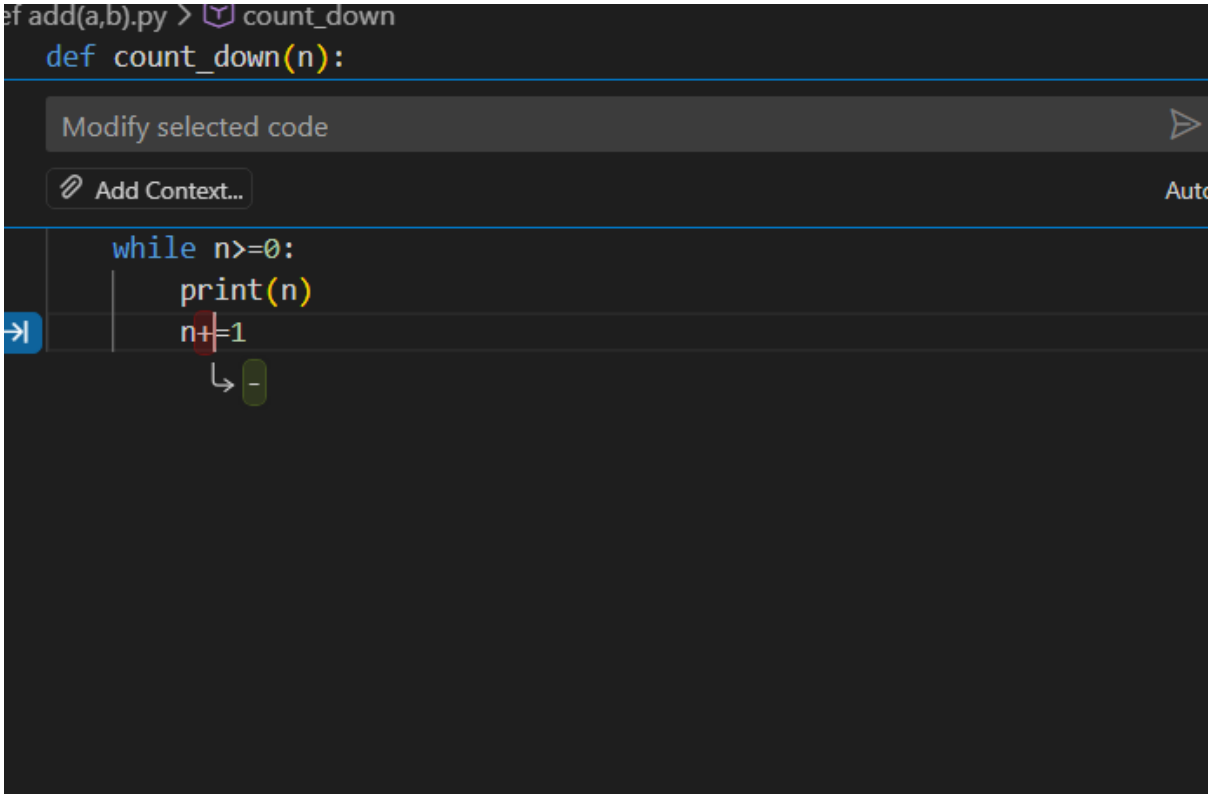
Tip:
Always end function definitions with a colon. This tells Python that the following indented lines belong to the function body.

GPT-4.1 • 1x

TASK-2:



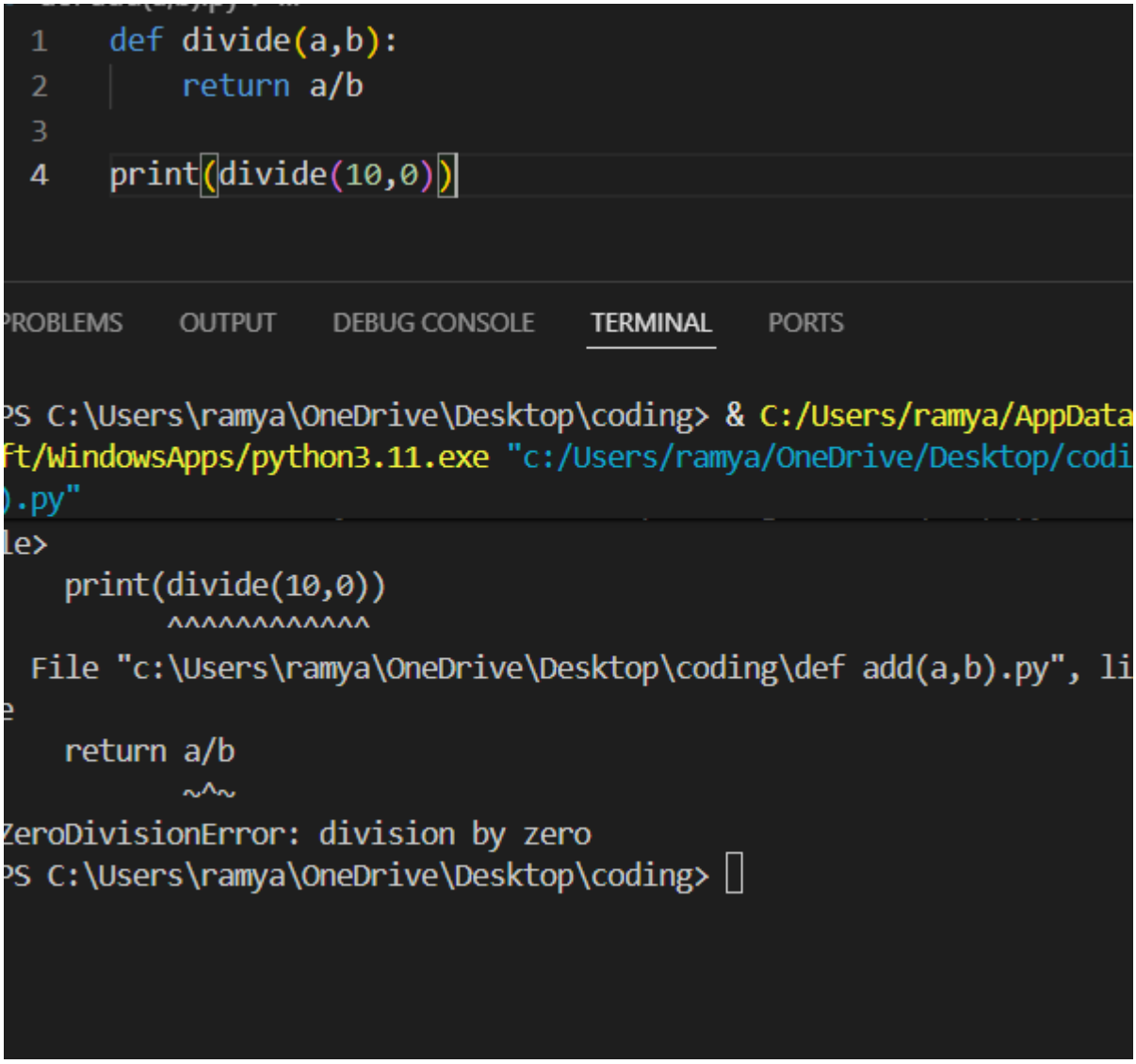
Corrected code:



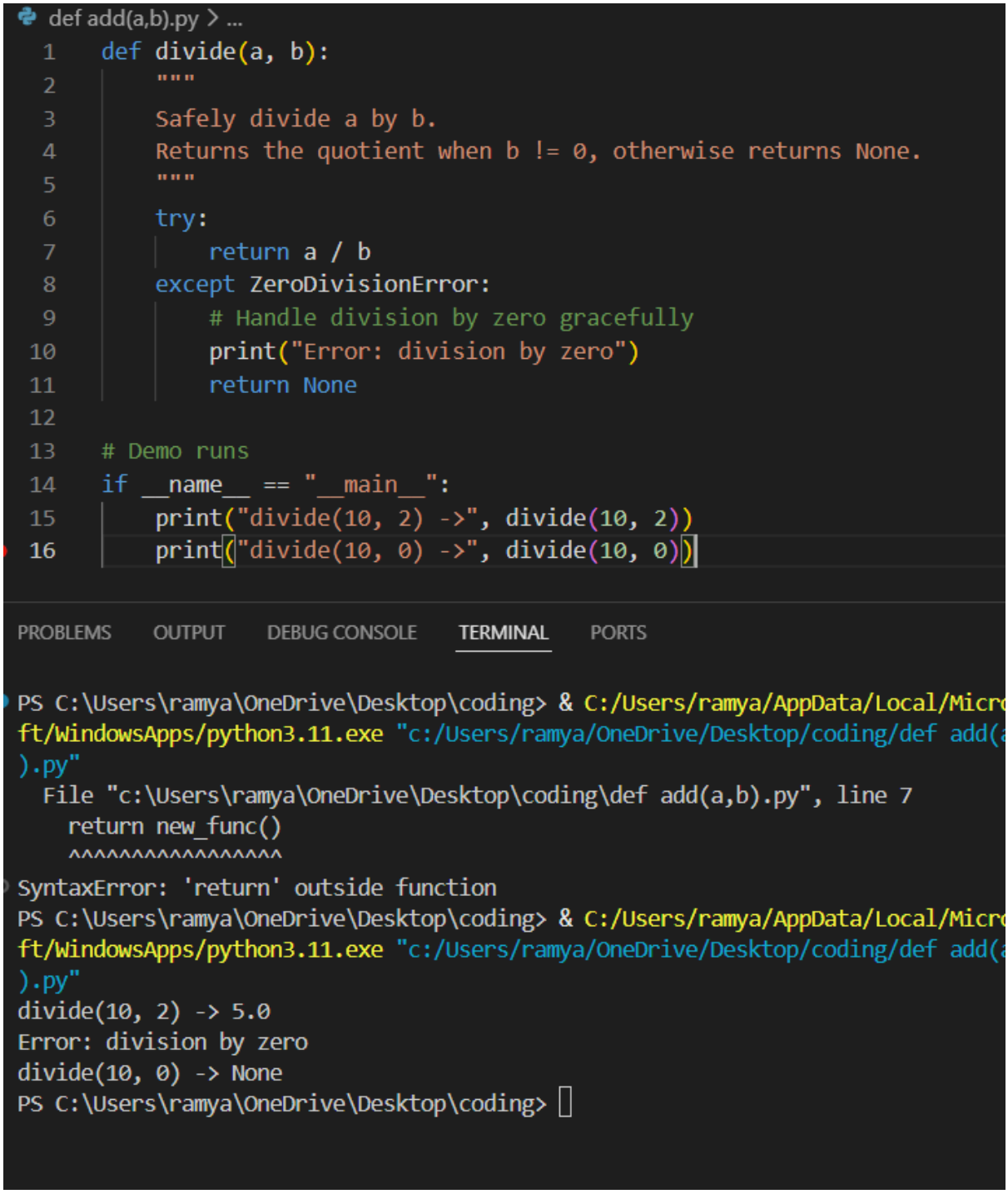
Justification:

- Condition: `while n >= 0` → always true once `n` starts positive.
- Update: `n += 1` → makes `n` bigger, never less than 0.
- Result: infinite loop, output keeps going up: `5, 6, 7, 8...`.

TASK-3:



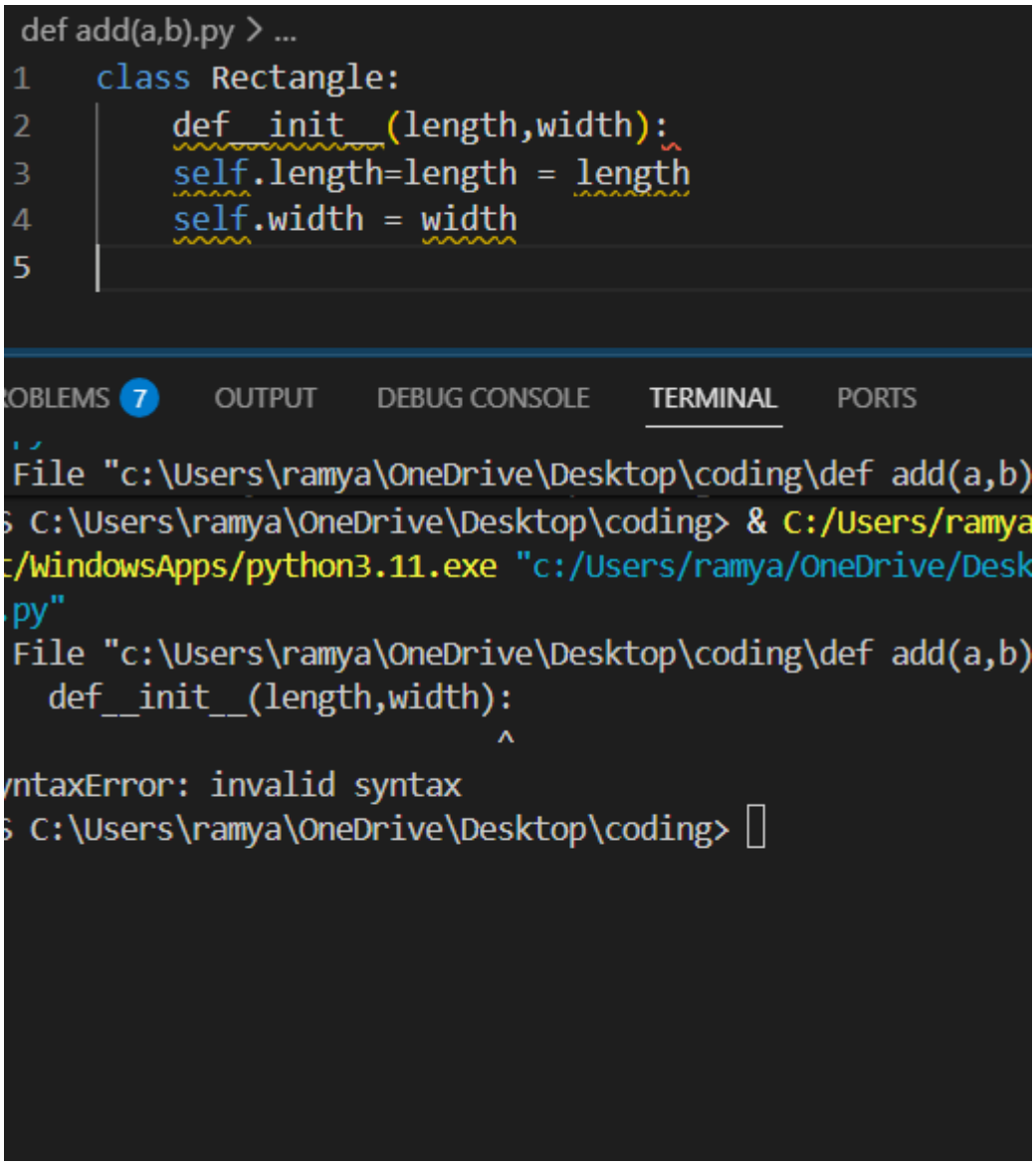
Corrected code:



Justification:

: The function tries to divide by zero, which is not allowed, so Python throws an error instead of producing output.

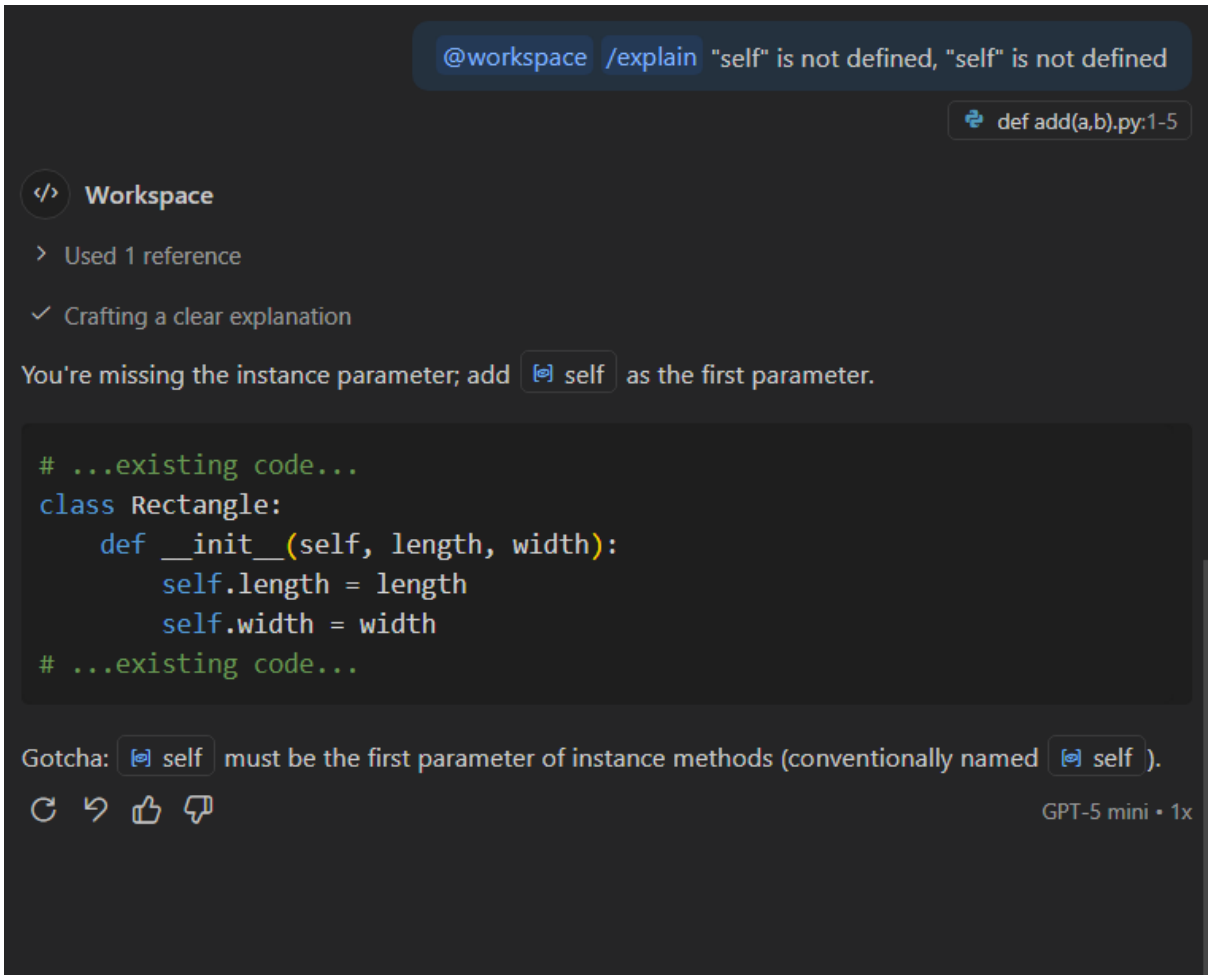
TASK-4:



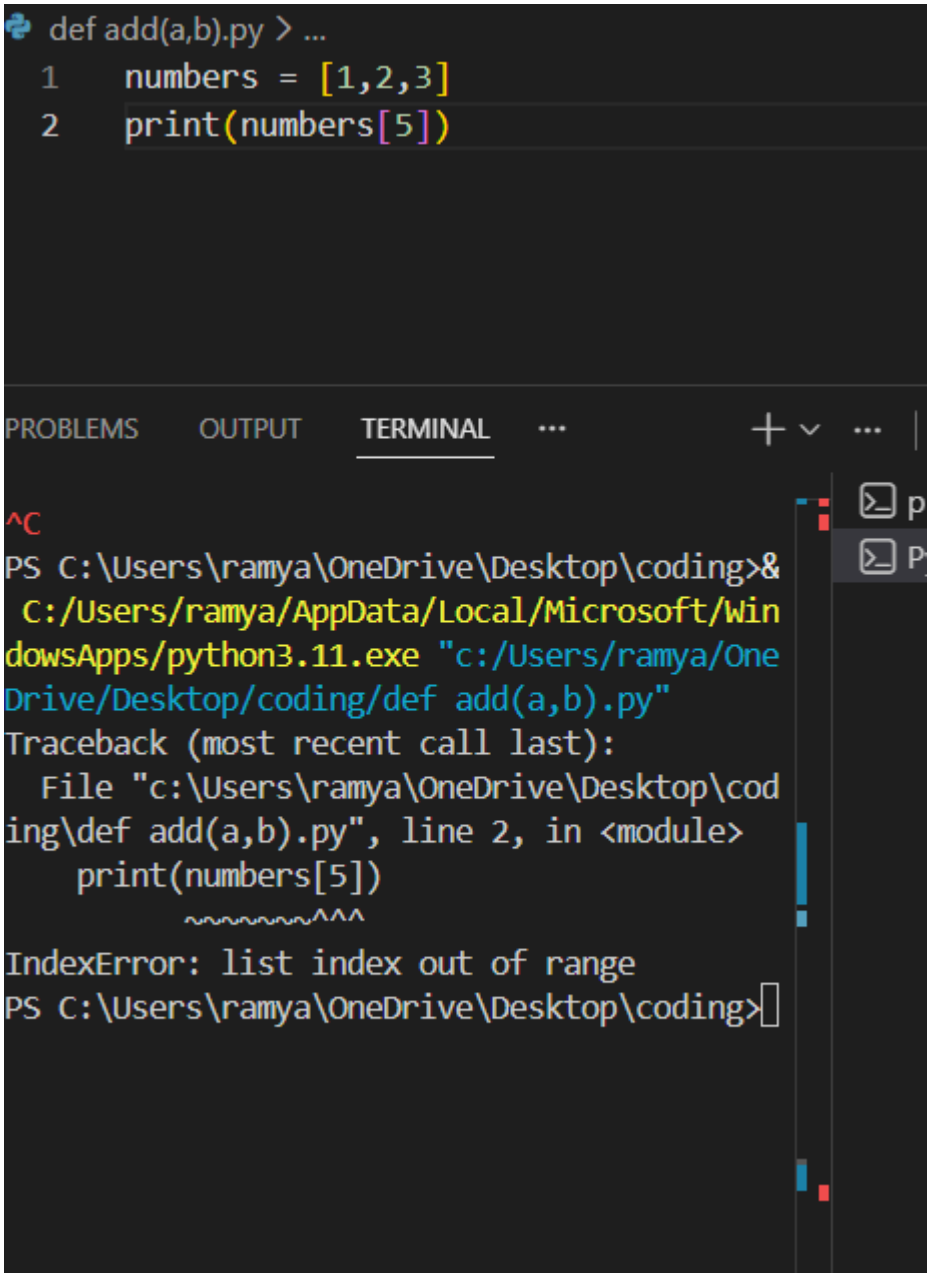
Corrected code:

```python
class Rectangle:
    def __init__(self, length, width):
        self.length = length
        self.width = width
```

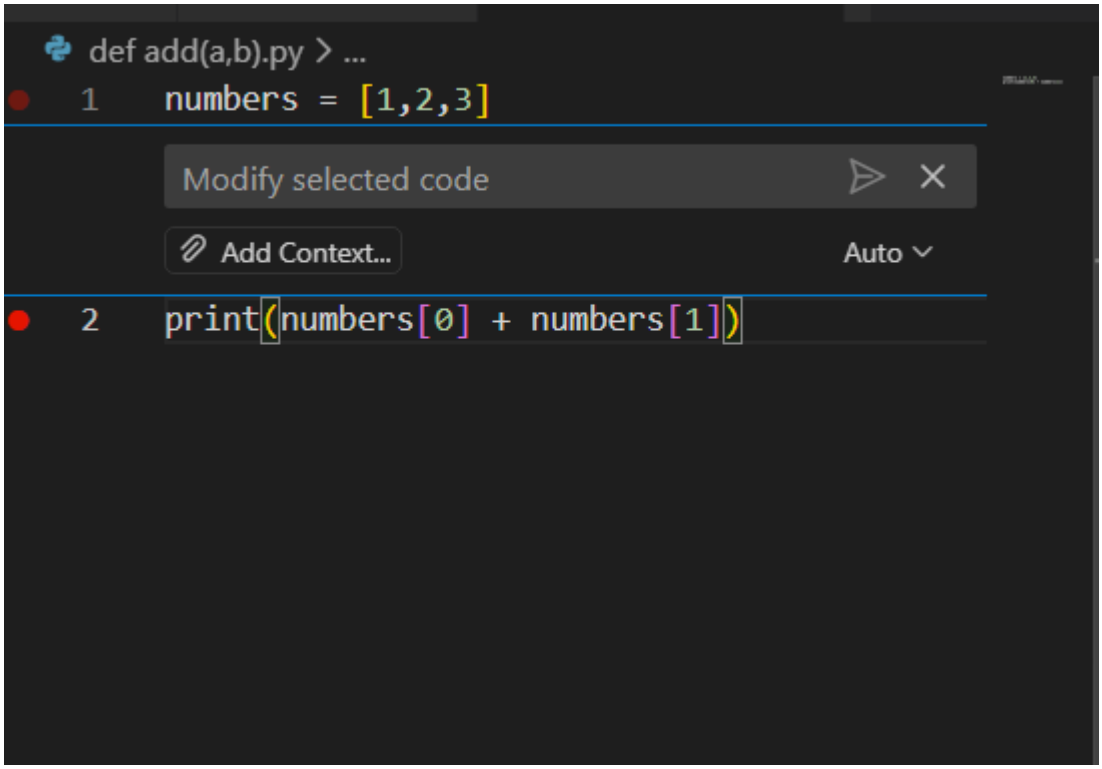
Justification:



TASK-5:



Corrected code:



Justification: The crash happens since the index is outside the list range. Bounds checking or try/except prevents the error and ensures safe access.