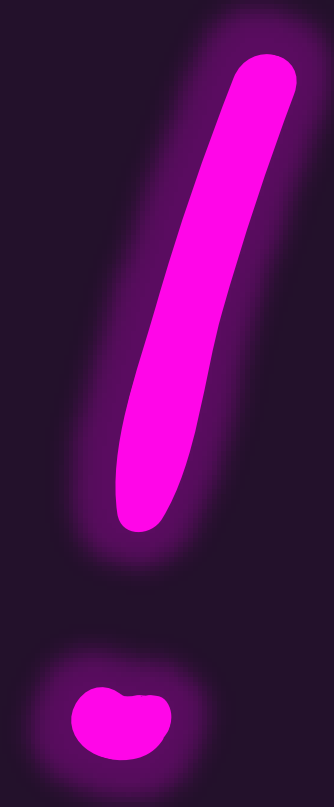


Practice
tracing and writing
Magic Methods



Announcements

- EX10 Released Tuesday - Due Wednesday - Start Today!
- Final Exam: Conflicts and 3-in-24
 - Submit request through: <https://eef.oasis.unc.edu/>
 - Alternate exam is Sunday, December 4th
- Quiz 3 - Thursday, November 17th
 - Covers through today and EX10
- Final unit of the course - Recursion!

```
1 class Light:
2
3     on: bool
4
5     def __init__(self):
6         self.on = False
7
8     def __str__(self) -> str:
9         if self.on:
10            return "Light is on."
11        else:
12            return "Light is off."
13
14    def __bool__(self) -> bool:
15        return self.on
16
17    def switch(self) -> None:
18        self.on = not self.on
19
20
21 if __name__ == "__main__":
22     a: Light = Light()
23     a.switch()
24     if bool(a):
25         print(a)
```