

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 __repr__(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)
```