

COMP  
110

CL13 - Review + Practice

# Recursive Function

```
1 def loop(x: int):  
2     |   if x < 3:  
3     |       |   return x  
4     |       |   else:  
5     |       |       |   return loop(x-2)  
6  
7 print(loop(6))
```

```
1 class MyClass:
2
3     name: str
4     number: int
5
6     def __init__(self, name: str, number: int):
7         self.name = name
8         self.number = number
9
10    def __str__(self) -> str:
11        val: str = f"{self.name}:{number}"
12        return val
13
14    def foo(self, number: int):
15        self.number = len(self.name) + number
16
17 name: str = "Alyssa"
18 number: int = 2
19 x: MyClass = MyClass(name, number + 3)
20 x.foo(number)
21 print(x)
22 print(x.number)
```

