

# COMP 110

Spring 2022

Class 21 - OOP Practice and Vectorized  
Operations

# Today's Goals

1. Practice with tracing a method call involving multiple objects of the same type
2. Introduction to Vectorized operations

# Announcements

- EX09 - Simpy - Posted Last Night, Due April 11
- QZ03 - 4/7 - A Week from Today

# Diagram 1)

```
4 class Point:
5     x: float
6     y: float
7
8     def __init__(self, x: float, y: float):
9         self.x = x
10        self.y = y
11
12        def add(self, other: Point) -> Point:
13            x: float = self.x + other.x
14            y: float = self.y + other.y
15            p: Point = Point(x, y)
16            return p
17
18
19 a: Point = Point(1, 2)
20 b: Point = Point(3, 4)
21 c: Point = b.add(a)
```

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# Follow along...

- Next we will implement a StrArray class together
- This class will provide you with some examples directly related to the work you will need to do in EX09 - Simpy