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AAI 551 in class exercise 9

Goal: Write a method for the class Point that overwrites ‘+’ operator and returns a point (which is an instance of class Point) which is the midpoint of the two points.

class Point:

def \_\_init\_\_(self, x = 0, y = 0):

self.x = x

self.y = y

def \_\_str\_\_(self):

return "(" + str(self.x) + ", " + str(self.y) + ")"

def \_\_add\_\_(self, other):

midx = (self.x + other.x) / 2

midy = (self.y + other.y) / 2

return Point(midx, midy)

p1 = Point(1, 1)

p2 = Point(5, 5)

print(p1 + p2)