CSC 101

A New Day!

Today

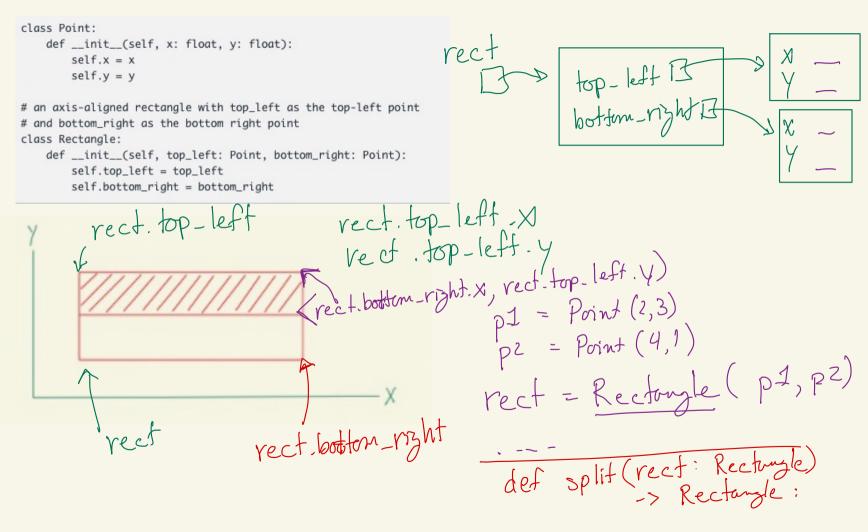
· Quiz 2 Reflections

- adapting - active

learning

- lab/assignment reflection

- Growth Mindset



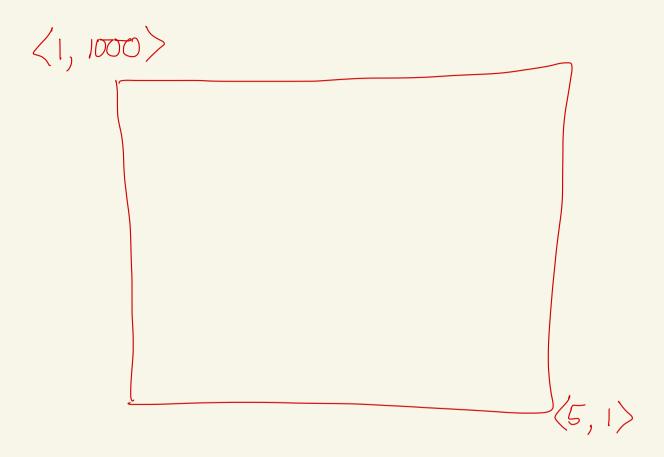
top-y = rect.top_left.y bot-y = rect.bottom-right.y class Point: def __init__(self, x: float, y: float): self.x = xself.v = v# an axis-aligned rectangle with top_left as the top-left point # and bottom_right as the bottom right point micly = (bot-y + class Rectangle: def __init__(self, top_left: Point, bottom_right: Point): (top-y-bot-y)/2) self.top_left = top_left self.bottom_right = bottom_right - rect. top-left.y

- new y

- rect. bottom-right.y mid_pt = Point (
vect. bottom_right.x, new-y rect. bottom-right. yf (rect. top-left. y - rect. bottom_right, y)/2

```
class Point:
  def __init__(self, x: float, y: float):
    self.x = x
    self.v = v
# an axis-aligned rectangle with top_left as the top-left point
# and bottom_right as the bottom right point
class Rectanale:
  def __init__(self, top_left: Point, bottom_right: Point):
    self.top_left = top_left
    self.bottom_right = bottom_right
                   rect. bottom_right.y + (rect. top_left.y)/2
- rect. bottom_right.y)/2
 mid-pf = Point (rect-boffom-right-x, mid-y)
new-rect = Rectangle (rect. top-left, mid-pt)
```

def addOne (X: float) >> float: return x+1 det split (rect: Rectangle) -> Rectangle: mid y = rect. bottom_right.y + (rect.top-left.y - rect. bottom_right.y)/2 mid-pf = Point (rect-bottom-right.x, mid-y) new-rect = Rectangle (rect. top-left, mid-pt) return new-rect



Point (4, 1), Point (2, 9)

Rectangle (p+1, p+2) def malformed (rect: Rectangle) -> bool: return (rect. top-leff. X >= rect. bottom right.x

rect. bottom_right.y >= rect. top_left.y)