

```

public class Point {
    private int x;
    private int y;

    public Point(int initialX, int initialY) {
        x = initialX;
        y = initialY;
    }

    ...

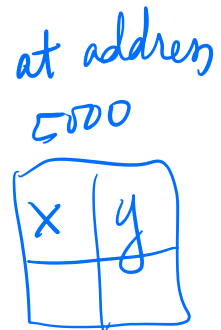
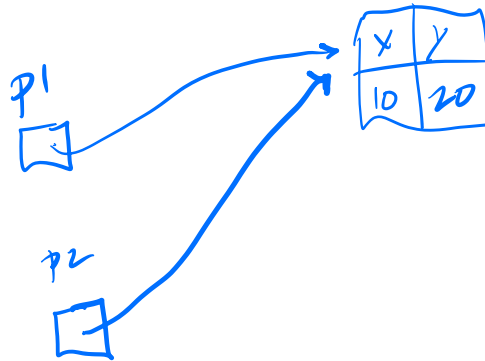
    /* returns a copy of this point. We'll
    * learn more about clone() in Java soon */
    public Point clone() {
        return new Point(x, y);
    }
}

```

Point p1 = new Point(10, 20)

- Point p2 = p1

how many points? answer: 1

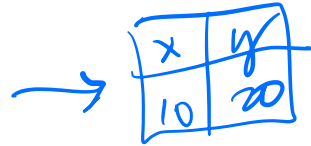


shallow copy
copying just the location





at address 5000:



to do a deep copy?

① make a new point

② copy components of old into new

Point p2 = new Point (p1.getX(),
p1.getY())

OR

if clone is implemented

Point p2 = p1.clone()