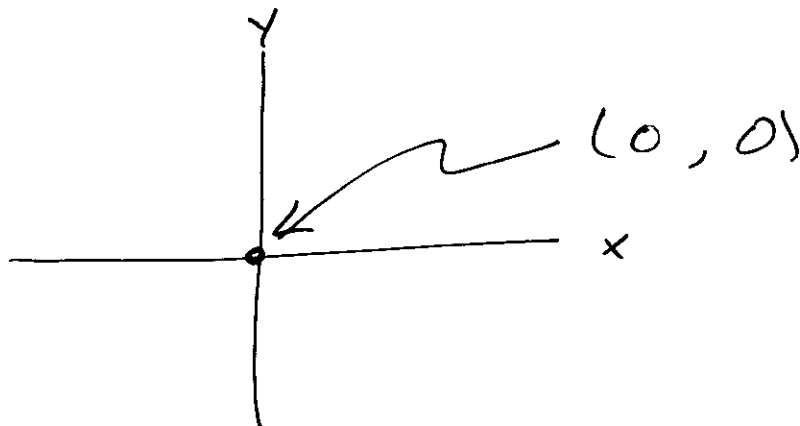


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- o Final Exam: Tue. DEC. 15
- o SETs: Due Sun. 14 at 11:59 PM.

Point class

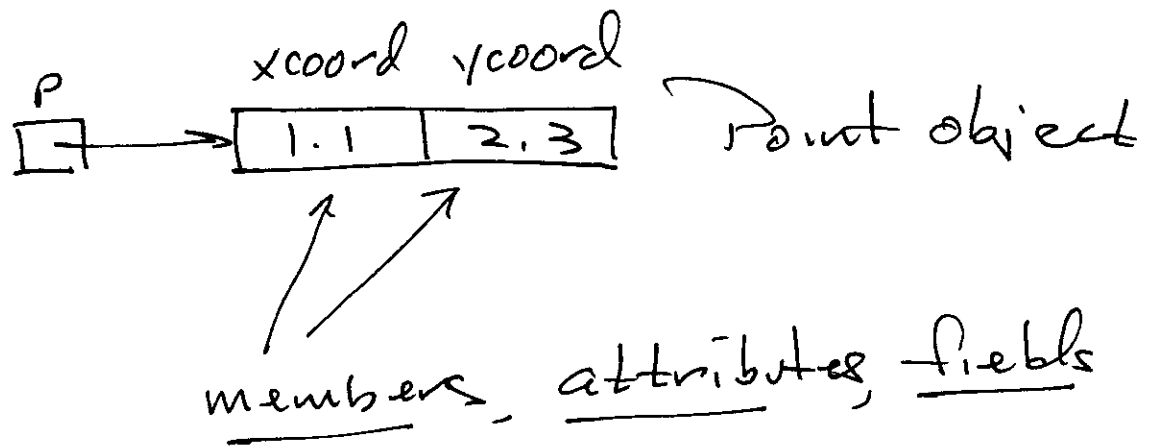


Ex. Point1.py

Point2.py: has an initialization function.

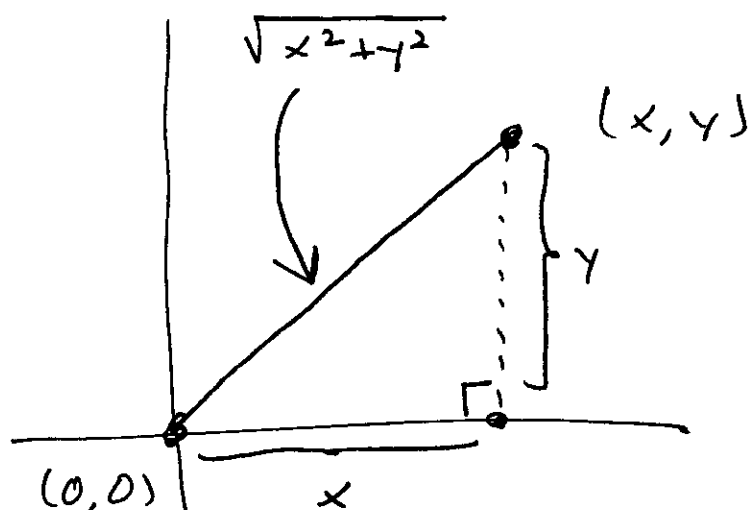
Point3.py: `--init--()` function assigns values to `xcoord` & `ycoord`.

$P = \text{Point3.Point}(1.1, 2.3)$



Note: • an object is an area of structured memory in a running program

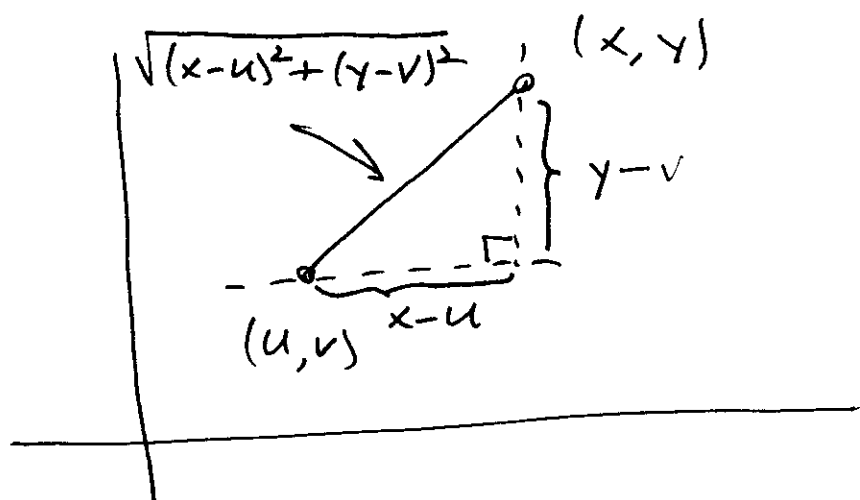
- a class is a cookie-cutter or factory for creating and initializing objects.



$| (x, y) | = \sqrt{x^2 + y^2}$ called norm
of (x, y) .

Ex. Point 4. Py adds norms then.

Ex. Point 5. Py adds dist's then



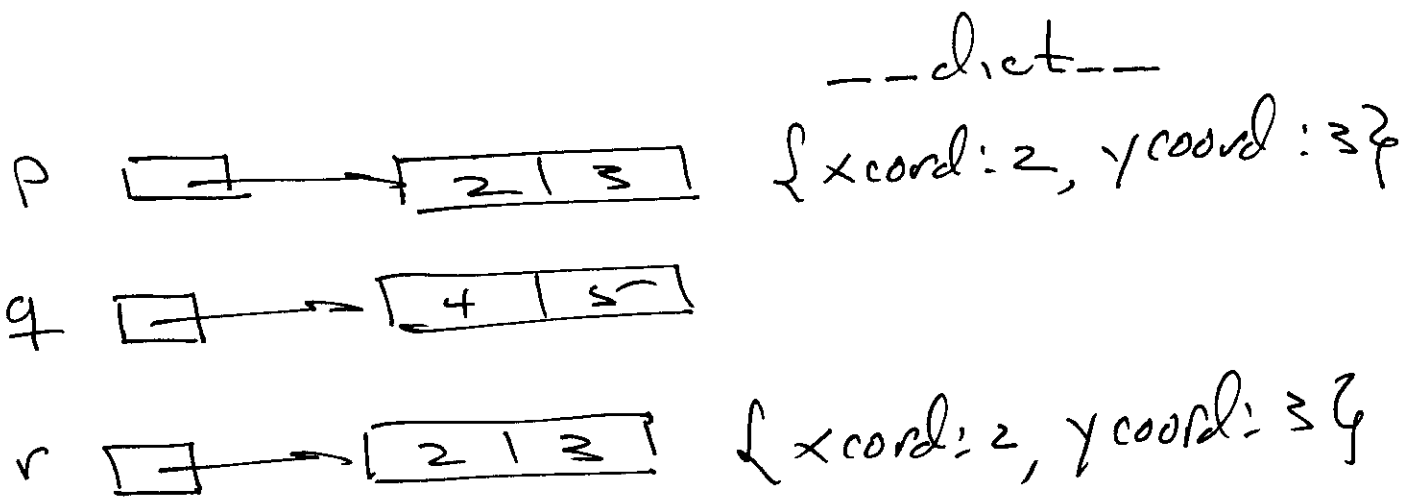
$\text{dist}((x, y), (u, v)) = \sqrt{(x-u)^2 + (y-v)^2}$
other line too.

Ex. Point6.py

Includes `--str--()` function called by `Print()`

Ex. Point7.py

Includes `--eq--()` function. This compares for equality, and is called by `==`.



Ex.

