Object-Oriented Programming

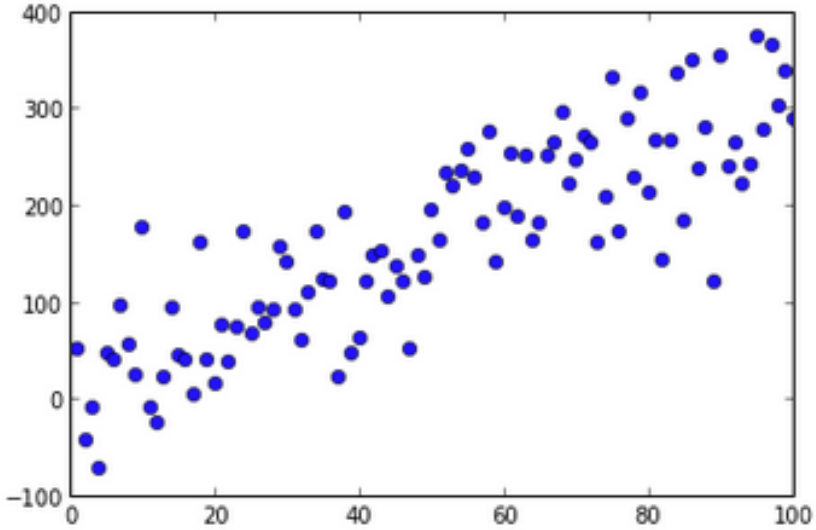
What does that even mean?

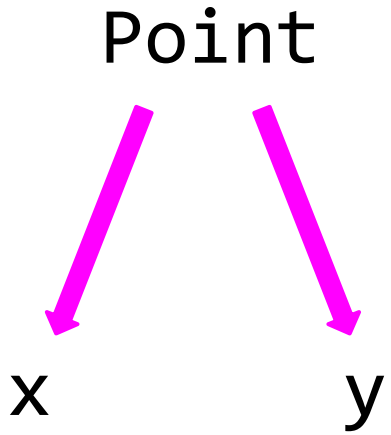
creating convenient data structures

creating convenient data structures

...what does *that* even mean?

(0, 50)
(2, -30)
(3, -1)
(4, -75)
.
.
.





Point(0, 50)
Point(2, -30)
Point(3, -1)
Point(4, -75)
.
.
.

object

- a data structure containing data (..... :o)
- this data is in the form of *fields*, also called *attributes* (e.g. x and y components of a point)
- also has *methods* or *functions* used to access the data contained in an object

object

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ok but how to python?

```
class ObjectName:
   def __init__(self[, arg1, arg2,
…]):
      self.arg1Field = arg1
      self.arg2Field = arg2
      # and so on!

   def getSomething(self[, arg1, …]):
      # do stuff, return something
```