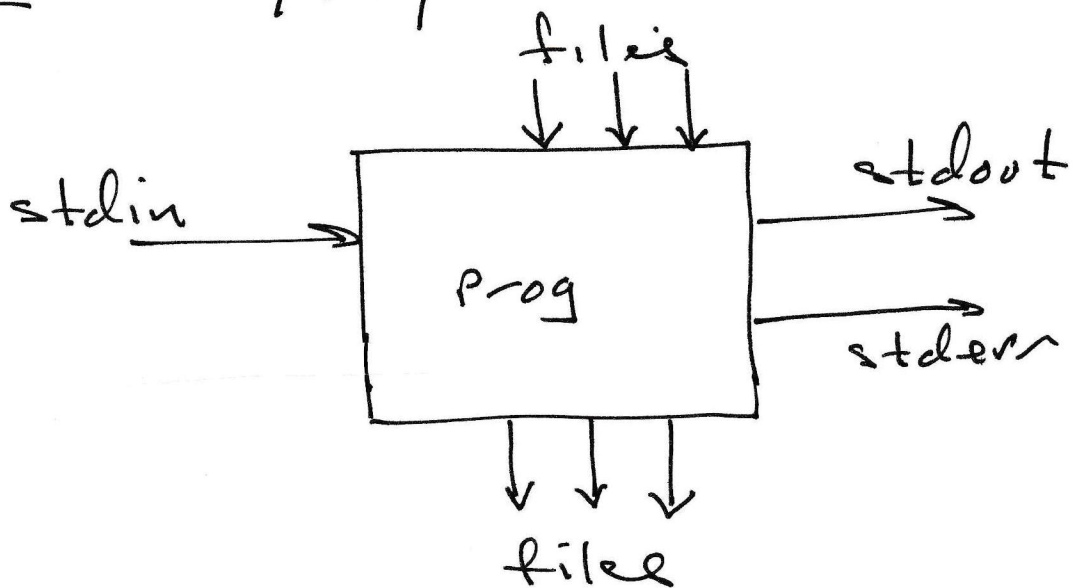


CS 230 4-15-21

1

Paz : ext 2 days

Ex. Copy.py



classes ... cont...

To initialize using constructor,
define `--init--()` function

```
class Point(object):
    def __init__(self, x, y):
        self.xcoord = x
        self.ycoord = y
    #end
```

object under construction.

`P = Point(1, 7)` # `P` is self

`Print(P.xcoord)` # 1

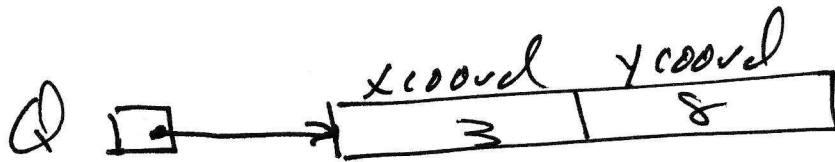
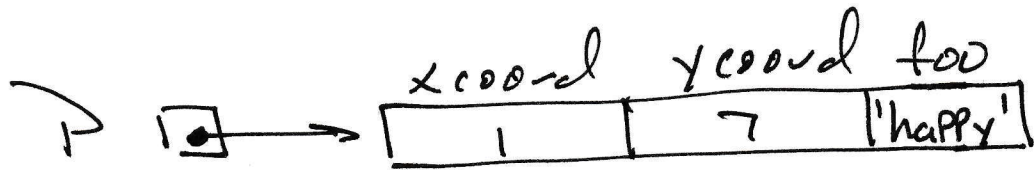
`Print(P.ycoord)` # 7

can add other attributes

`P.foo = 'happy'`

`Print(P.foo)` # 'happy'

$Q = \text{Point}(3, 8)$

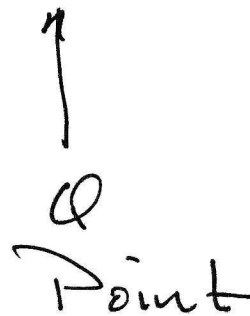


Adding attributes like this is non-standard.

can list all attributes.

for a in $\text{dir}(P)$

print(a)



Ex geometry.py

classes: Point, Line, Rectangle