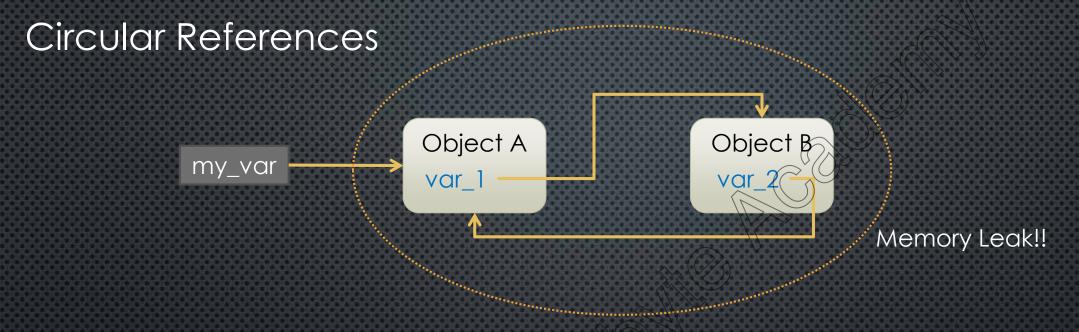
GARBAGE COLLECTION



Garbage Collector

- can be controlled programmatically using the gc module
- by default it is turned **on**
- you may turn it **off** if you're **sure** your code does not create circular references but beware!!
- runs periodically on its own (if turned on)
- you can call it manually, and even do your own cleanup

In general GC works just fine but, not always...

for Python < 3.4

If **even one** of the objects in the circular reference has a destructor [e.g. __del__()]

the destruction **order** of the objects may be important

but the GC does not know what that order should be

so the object is marked as uncollectable

and the objects in the circular reference are not cleaned up -----> memory leak