

Python

# Memory management



Saurabh Shukla (MySirG)

# Agenda

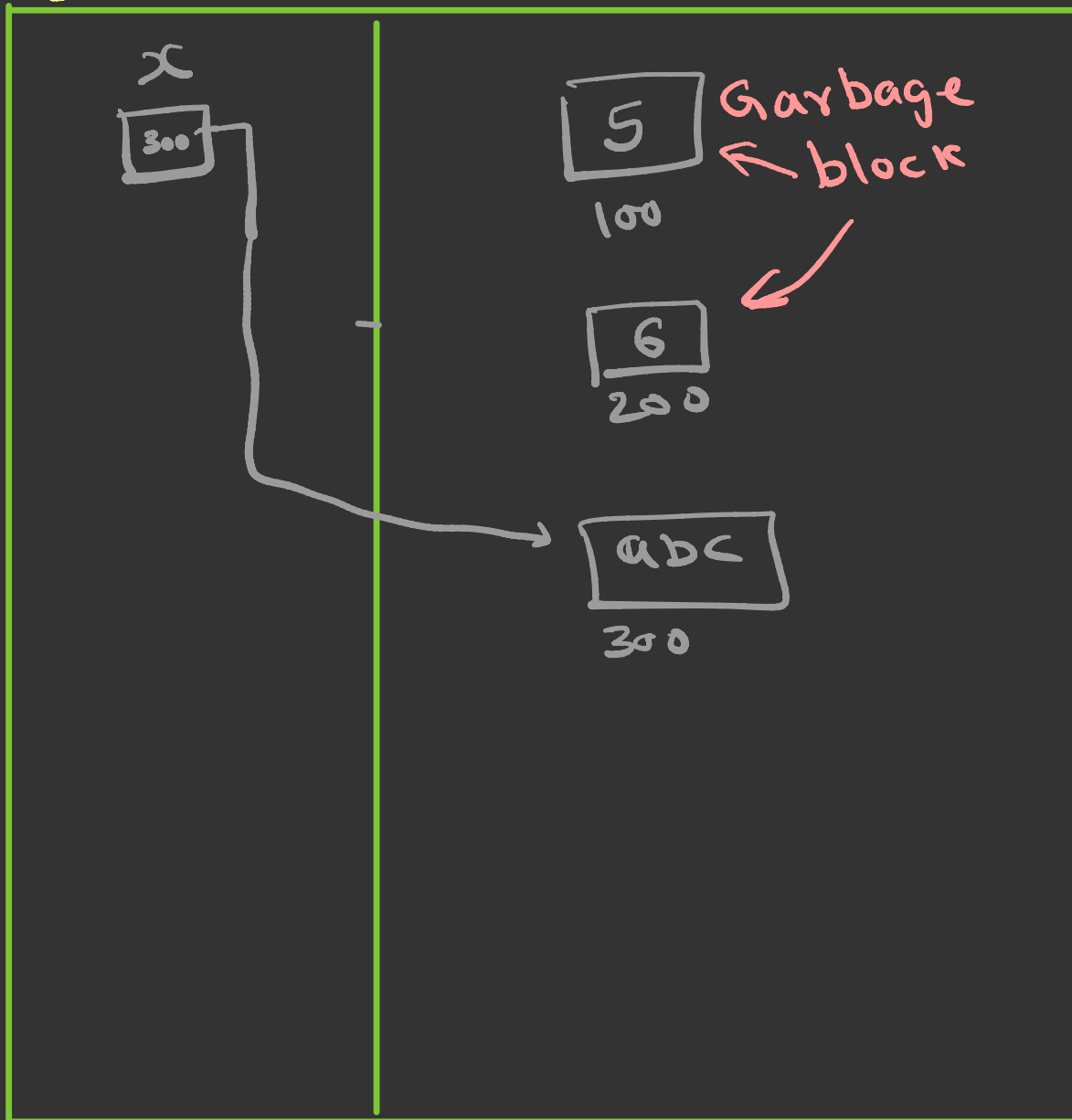
- ① Memory Management
- ② Garbage Collection
- ③ What is an object?
- ④ Name in namespace

# Memory Management

Namespace

Stack

Private Heap Space



`x = 5`

`x = 6`

`x = 'abc'`

# Garbage Collection

It is a program, invoked by python itself, whenever required, whose job is to release memory of Garbage blocks (object which is not referenced by any name)

Automatic Memory Management

# What is an Object?

- Object is real world entity
- Object is an instance of a class
- object is a proper noun
- class is a common noun

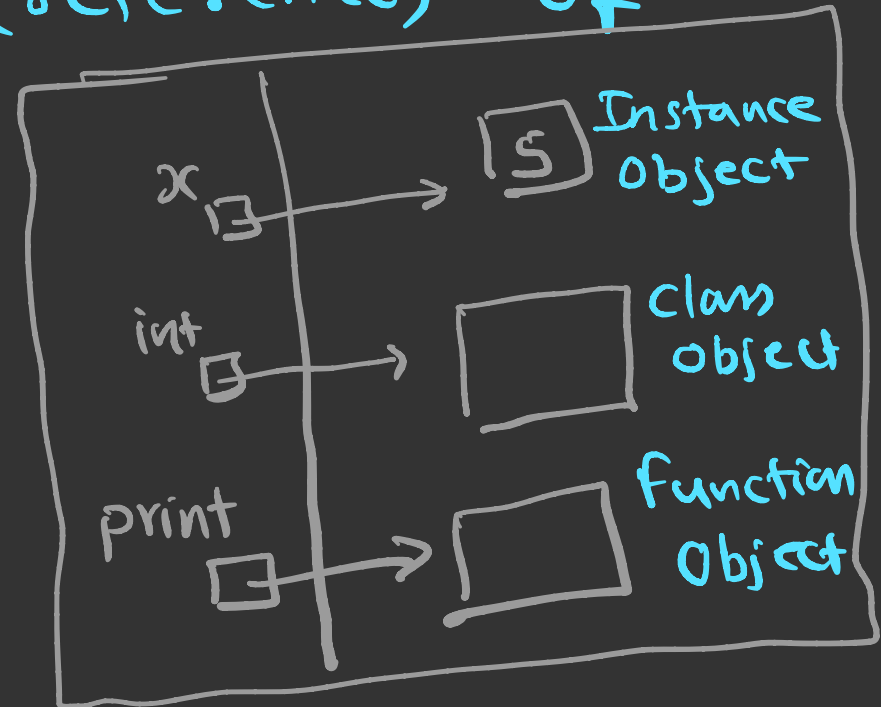
Mr Dixit

Ms Sandhya

# Name किसका होता है ?

Name in namespace is a variable which is used to contain id(reference) of

- ① Instance object
- ② Function object
- ③ class object



In python everything is an object.