variables

object	object	object
object	object	object

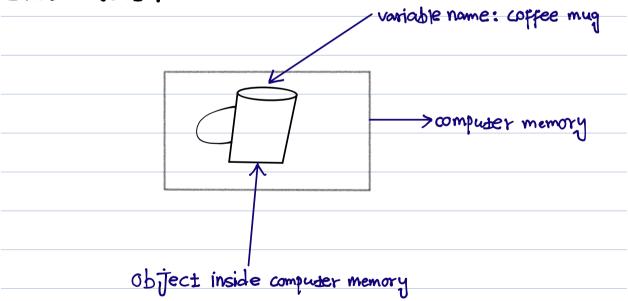
objects at computer's memory

How to have access to them? obj1 0वां २ objj3 object object object Pen object object object book object object object Pencil object object object cup object object object Ahmad object object object kabul object object object objects at computer's memory

Address to the value of each object in a computer memory is stored in a variable.

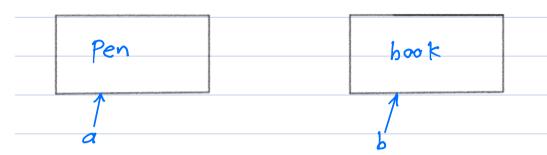
from figure-1, it can be observed that it gets very much difficult if addresses to those objects are not stored in variables.

variable stores addresses of the, not the values of those objects



swapping

swapping of two vaniables means changing to references to the objects they points to.

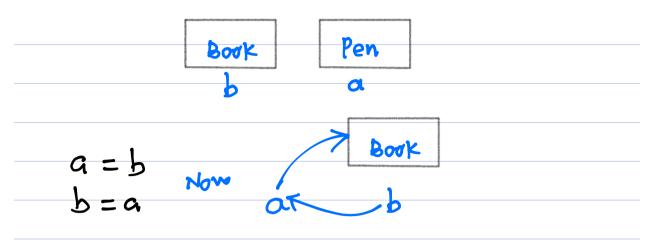


a = pen, means the attress of "pen" is saved to or assigned to variable "a".

b = book

Now, by swapping we want to store address of "book" object into variable 'a' and address of "Pen" object into variable 'b'.

if we directly swap the addresses between them, the Address of one of the objects will be 10st.



both of them one referencing to book object, and reference to Pen is lost

what to do?

create a new variable to hold a reference to either of the objects, and start swapping

