

- METHOD LOOKUP HAPPENS AT RUNTIME

→ CLASS CALLING THE PARENT METHOD INSIDE ONE OF THE METHODS, HAVING AN OVERRIDEN METHOD WHICH IS USED THEN IN ANOTHER METHOD, WILL HAVE THIS METHOD REFERENCE TO THE METHOD WHICH OVERRIDES THE PARENT METHOD,

→ IF THE CONSTRUCTOR METHOD IS NOT OVERRIDEN, THEN ALL THE ATTRIBUTES ARE INHERITED

→ ATTRIBUTES AREN'T AUTOMATICALLY INHERITED

- CONSTRUCTORS OF ABSTRACT CLASSES ARE USUALLY PRIVATE

- OOP DESIGN AND INHERITANCE

→ SHARED PUBLIC INTERFACE:

→ MULTIPLE TYPES OF OBJECTS:

SHARING THE SAME DATA

+ FOR THE BENEFIT OF THE CLIENT

DEDUPLICATION OF THE CODE

+ FOR THE BENEFIT OF THE DEVELOPER

TIME CONSERVATION

|| DECIDE WHETHER THE DEFAULT DATA IS NEEDED IN SUBCLASSES

SPECIAL METHOD

DEF METHOD (SELF, ...):
 → ...

EXAMPLE

 INIT

 STR

"STRING"

→ STRING
REPRESENTATION
OF THE OBJECT

@TYPE SELF: LION

@TYPE : STR

A LOT OF PYTHON
BUILT-IN METHODS
HOOKS INTO THE
SPECIAL METHODS.

CONTAINER

STORING DATA IN SOME WAY

ADD, REMOVE, IS _EMPTY

METHODS OF THE CLASS CONTAINER

PRIORITY QUEUE

CAN REMOVE THE
MOST PRIORITISED
OBJECT FIRST

STACK

ADDING
ORDER
TO CLASS
CONTAINER

EXAMPLE

BROWSER

← BUTTON

CAN REMOVE
THE MOST
RECENTLY
ADDED
OBJECT

QUEUE

CAN REMOVE
THE ITEM
IN THE SAME
ORDER AS
IT HAS BEEN ADDED