

Python script mode:

- HelloWorld.py
- Expression.py
- HelloWorld2.py

new function: input()

other fns: int(), str(), float

pow(), math.pow() ...

↑
library fn

↑
built-in
fns.

- HelloWorld3.py

Examples for Pa1

- Rectangle.py
- Circle.py
- Box.py

Pa1: due Friday

Variable names

Rules:

- may be arbitrarily long
- may consist only of letters, underscores or digits.
- may not begin with a digit.
- may not be a Python keyword

What is a variable? It is a symbolic name for an area of memory.

Ex.

$$x = 6$$

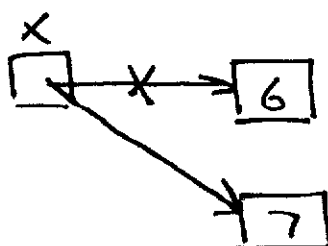
Picture of memory



better picture:



$$x = 7$$



Precedence of arithmetic ops.

1 parentheses

2 exponents

3 multiplication

4 division

5 addition

6 subtraction

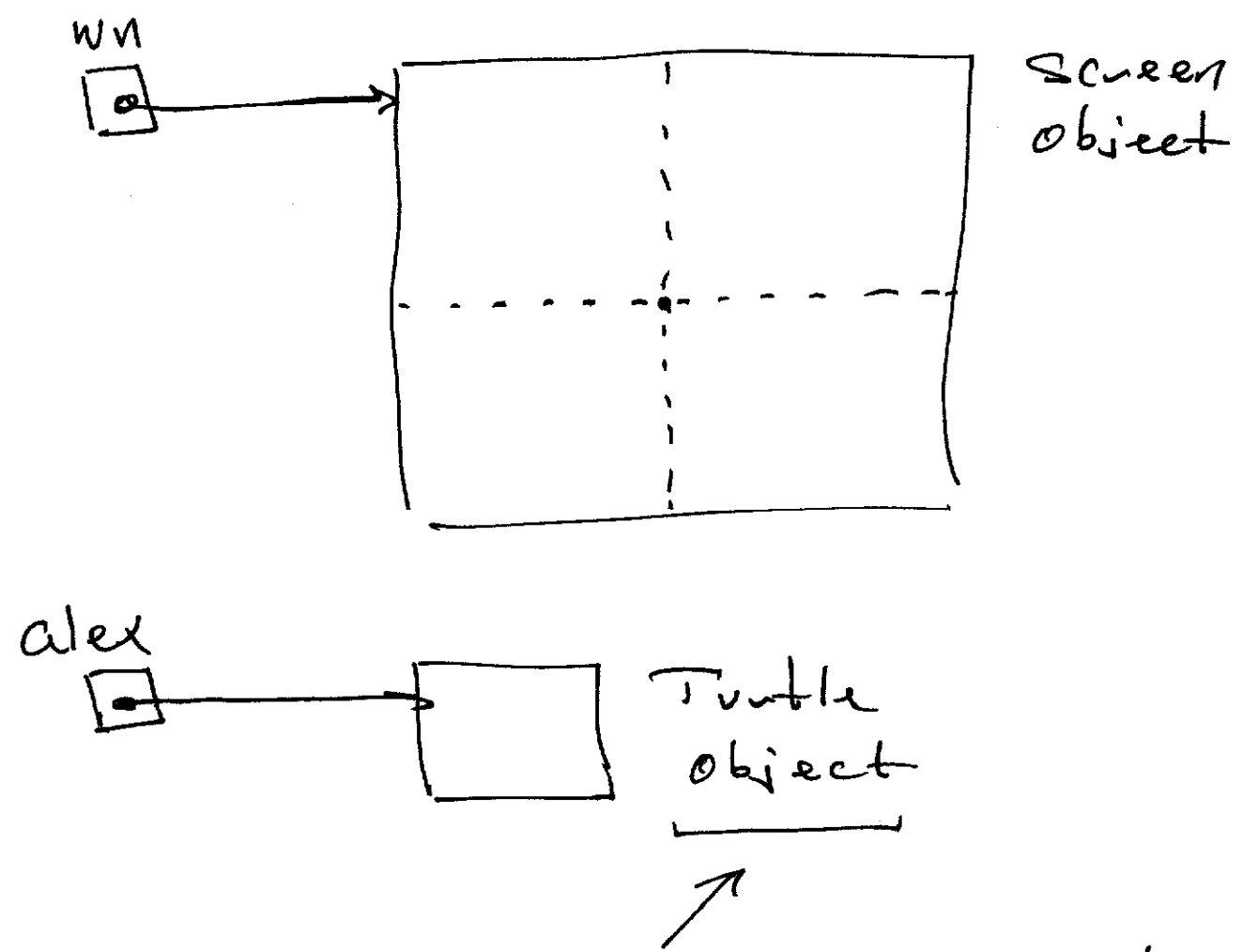
same

same

evaluated left to right.

chapter 3 : turtle module, Graphics

Ex. Turtle1.py



has an associated set of operations called Turtle methods.

some Turtle methods

forward()

backward()

right()

left()

setpos(), pos()

setx(), xcoord()

sety(), ycoord()

⋮

Read chap 3.