

Goal today: kotlin

Variables (pseudocode)

$x = 3$

$x \rightarrow 3$

What about the type (Int?

String?

Double?)

Python: type is in data

Java/kotlin: type is in variable

Python

$x = 3$

$x = \text{"hello"}$

$x \rightarrow 3$   
int

$\rightarrow \text{"hello"}$   
str

Java/kotlin

var  $x = 3$

$x \rightarrow 3$   
Int  $\rightarrow 7$

$x = 7$

$x = \text{"hello"}$  error

Print("ab")

Print("cd")

Println("ab")

Println("cd")

} abcd  
     ↑

ab

cd