

Python is

- general purpose
- high level
- dynamic / interpreted
- object oriented

programming language

1990s Perl

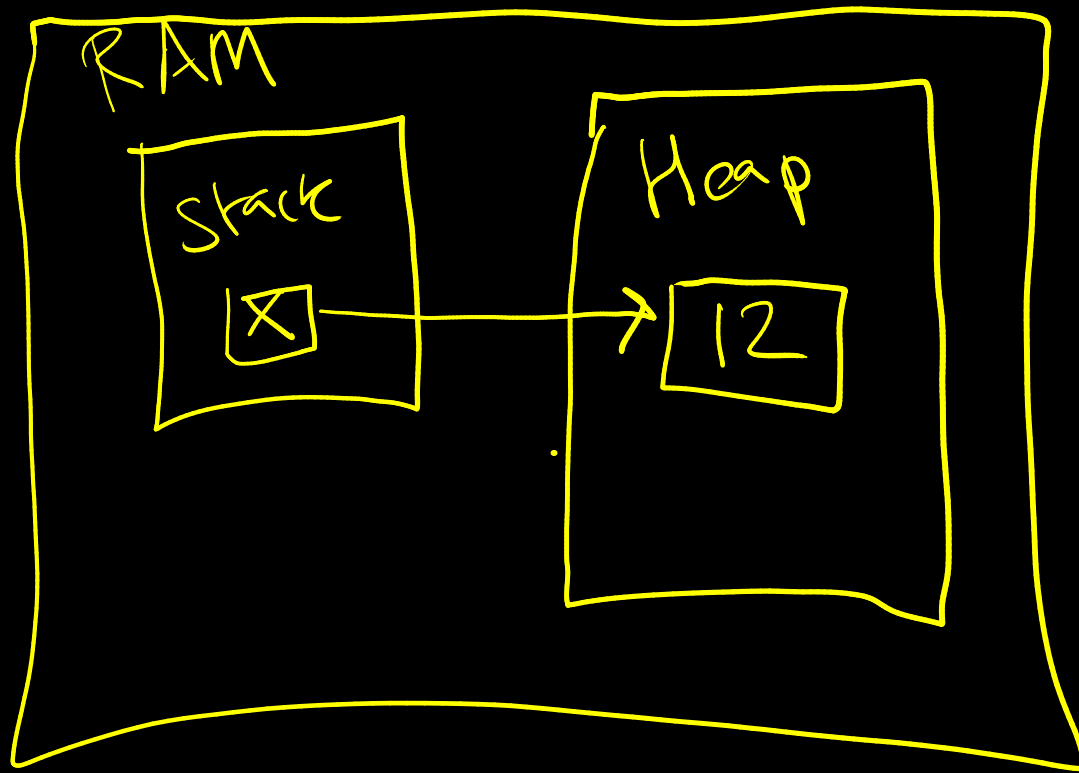
2000s Scientific

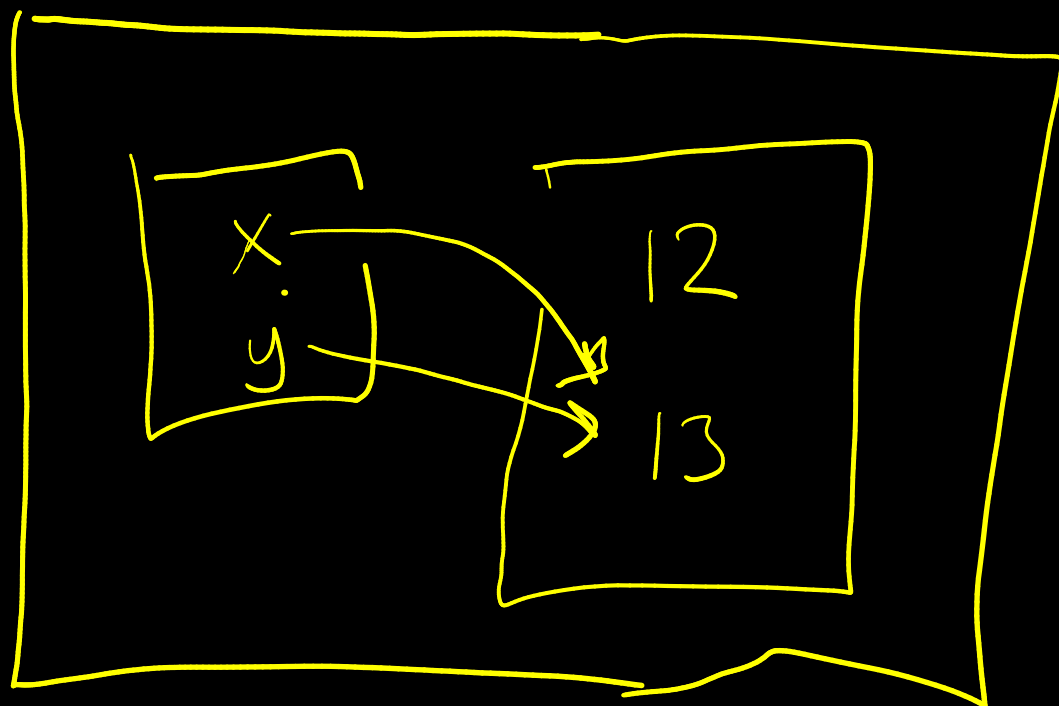
- System level
- Web
- Scientific
- data science

- General purpose
- Well designed
- Huge 15k  
250k
- Data science
- Web programming

- Basic data types
- collection data types
- iterations  
conditionals

Day 1





$$\underline{x = y}$$

# Elementary

- integers
- floats
- Booleans
- strings

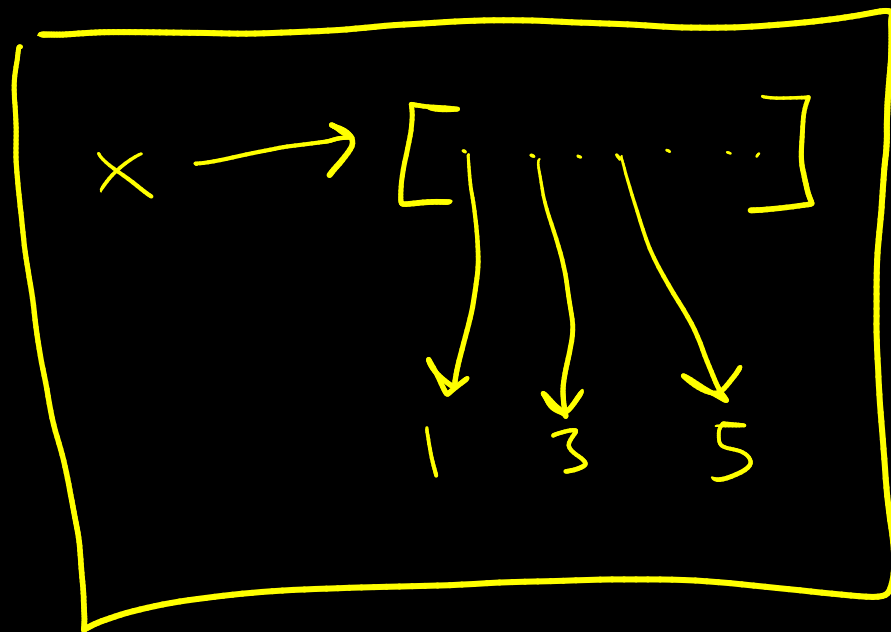


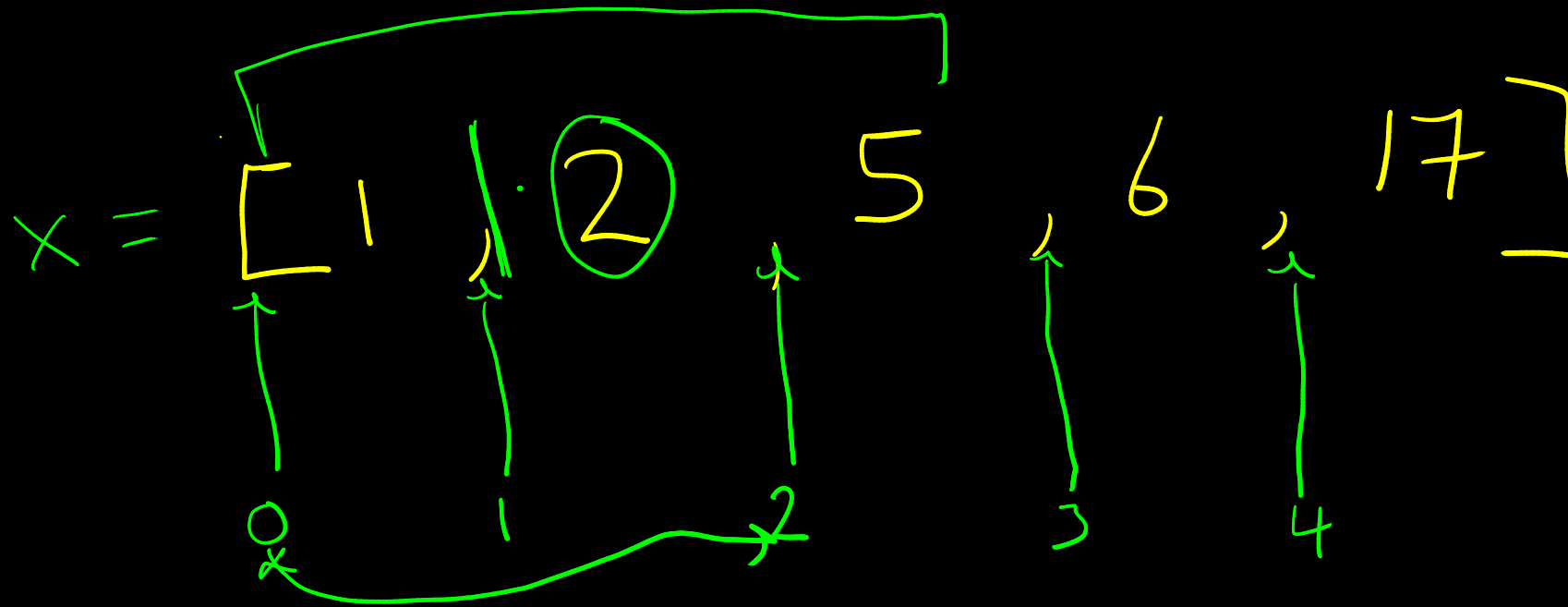
lists

dicts

tuples

sets





$x[0:2]$

$x[1]$