Programs = Data Structures + Algorithms

Recipe

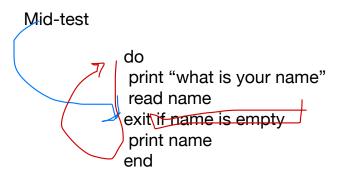
Set of instructions to follow

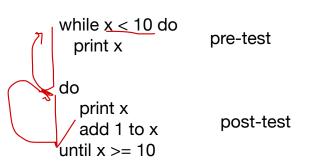
Procedural programming

- 1) Sequence
- 2) Selection
- 3) Iteration

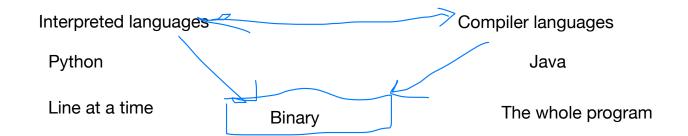
Set x to 1 Add 1 to x Stop

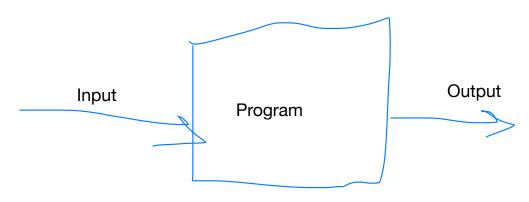
If x > 2 then print x else add 1 to x stop



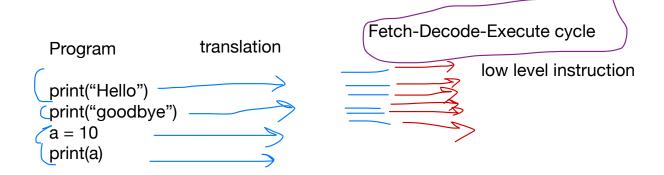


User Interface Human oriented Programs Machine level Binary

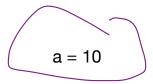




Black box software



Abstraction



load 10 into memory location 00
move contents of memory location 00 to register A
move the contents of register A to memory location 10

memory locations