

Language: arbitrary association of a collection of forms w/ their meanings

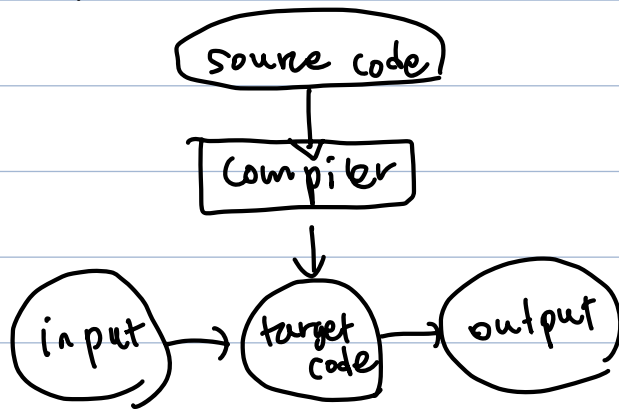
syntax: specification of the forms

semantics: specification of the meanings.

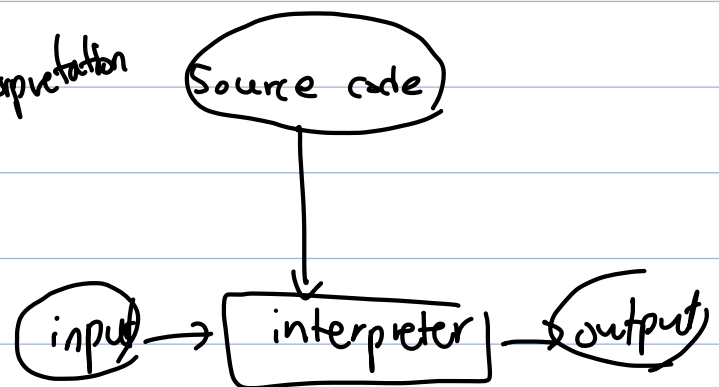
behaviour or sequence of instructions

Donald Knuth: treat program as a piece of literature, addressed to human beings rather than to a computer.

Compilation



Interpretation



hybrid

source code

compiler

intermediate

input

interpreter

output

Just in Time (JIT)

• run-time monitoring.

