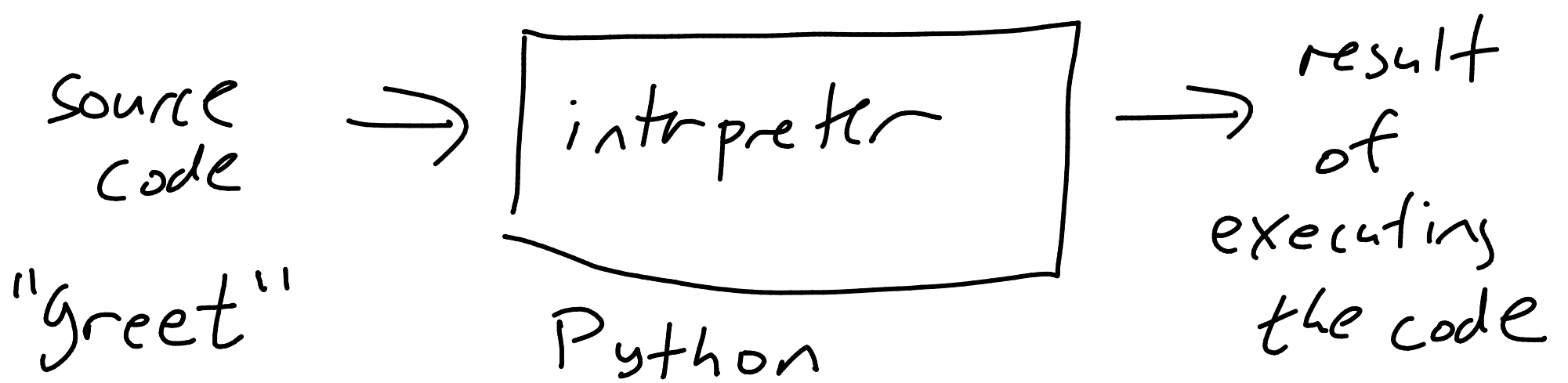
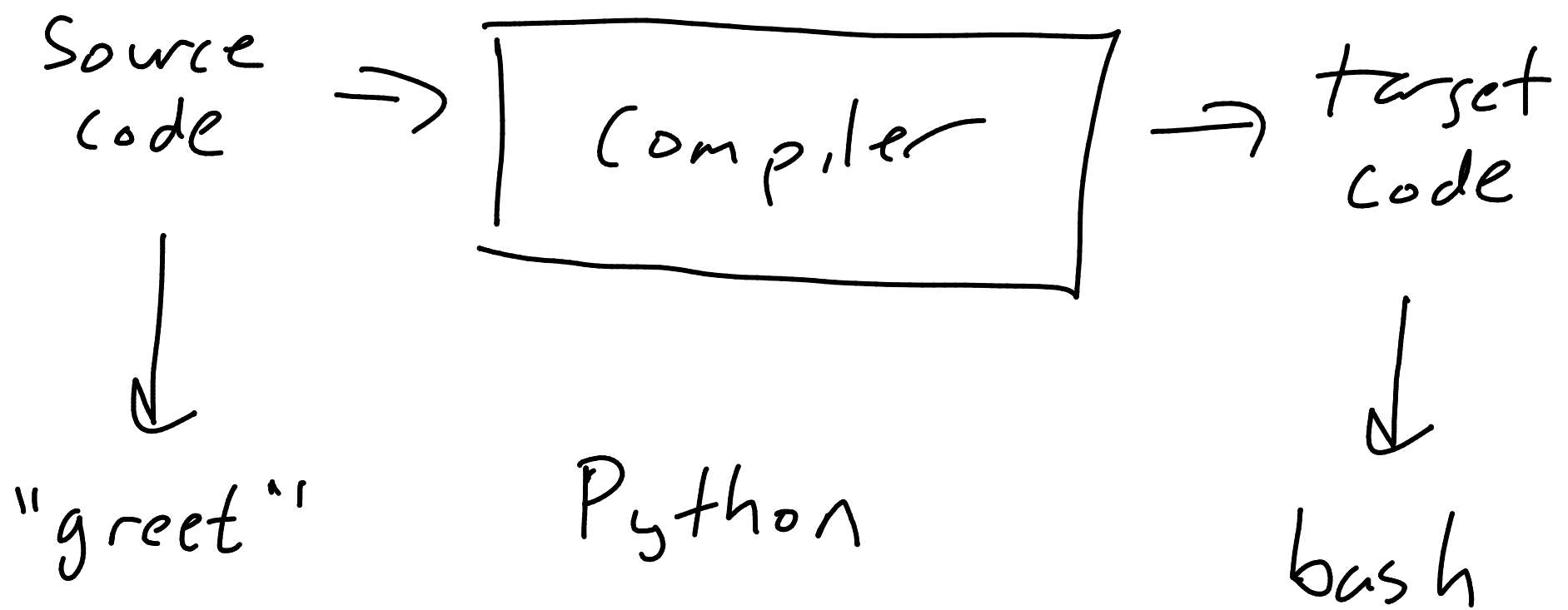


How do computer programs get
"translated", so they can run?

How does a compiler work?

How does an interpreter work?



An interpreter does not output a translated version, it just executes it directly

"Greet" PL (made by Dave)

hello	3	when	hello
bye	2	<u>run</u> →	hello
hello	1		hello
			bye
			bye
			hello

Bash is the language that runs at most UNIX/Linux prompts

Some terminology:

A programming language is an idea.

It is a detailed description of what the lang looks like and what it does.

A PL implementation is an actual program that implements the lang in some way.

Examples:

PL

implementation(s)

C

clang, gcc, msvc

Scheme

Guile, DrRacket,
28 more at end of
this term,
.....

Java

Oracle Java,
GnuJava (fringe project)

Python

Python.org ("CPython"),
PyPy
.....

"Greet"

compiler.py, interpreter.py

Q: Is "Greet" compiled or interpreted?

A: It's a lang, it's none/all/whatever
you want