

What is a compiler?

What are examples of compilers?

gcc : C prog → binary executable assembly

javac : Java Prog → bytecode .class .jar

Hotspot JIT Compiler

ghc : Haskell Prog → binary executable

rustc : Rust Prog → binary

qbasic : Basic Prog → 16-bit DOS exe

clang :

Chicken Scheme Compiler : Schem Prog → C prog

python ...? : Python Prog → effects + output

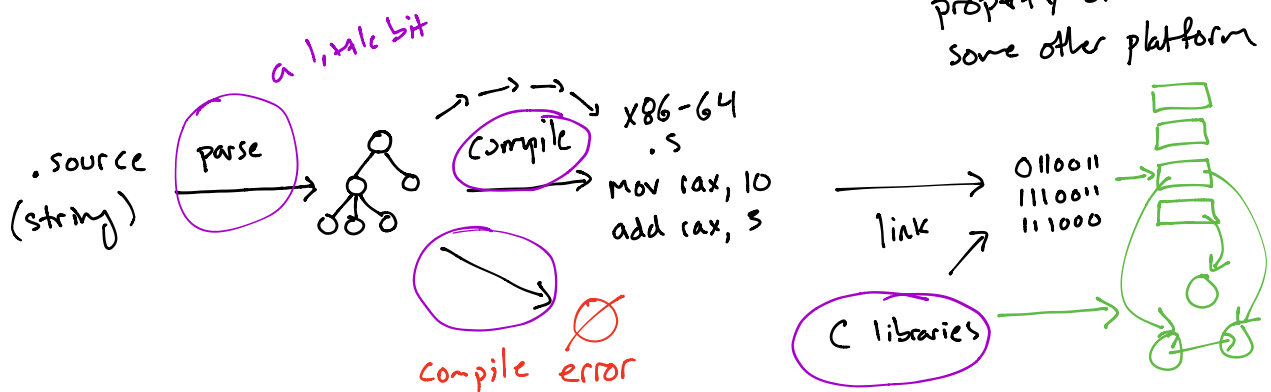
→ .pyc → a "somewhat" compiled version

typescript :

Typescript → JavaScript

compiler : Progs → Progs

Has some useful property or runs on some other platform



```
int f() {
    return "a" - 10;
}
```

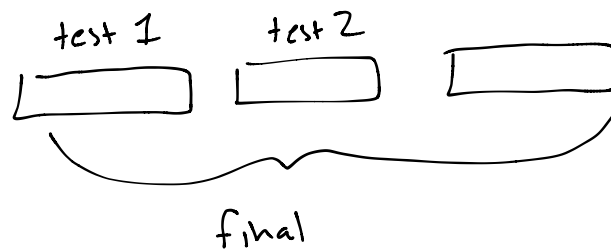
Cannot subtract 10 from a string

Open	Closed	Assignment types
<ul style="list-style-type: none"> - Talk to anyone - Post code - TAs will look at code - Give credit 	<ul style="list-style-type: none"> - Work alone - Take-home test - Only private qs on msg board or OH - TAs will not look at code 	

Campuswire message board

Discussion section + exams

Two exams in disc section (Fri morning)



OCaml - tutorial tomorrow AM