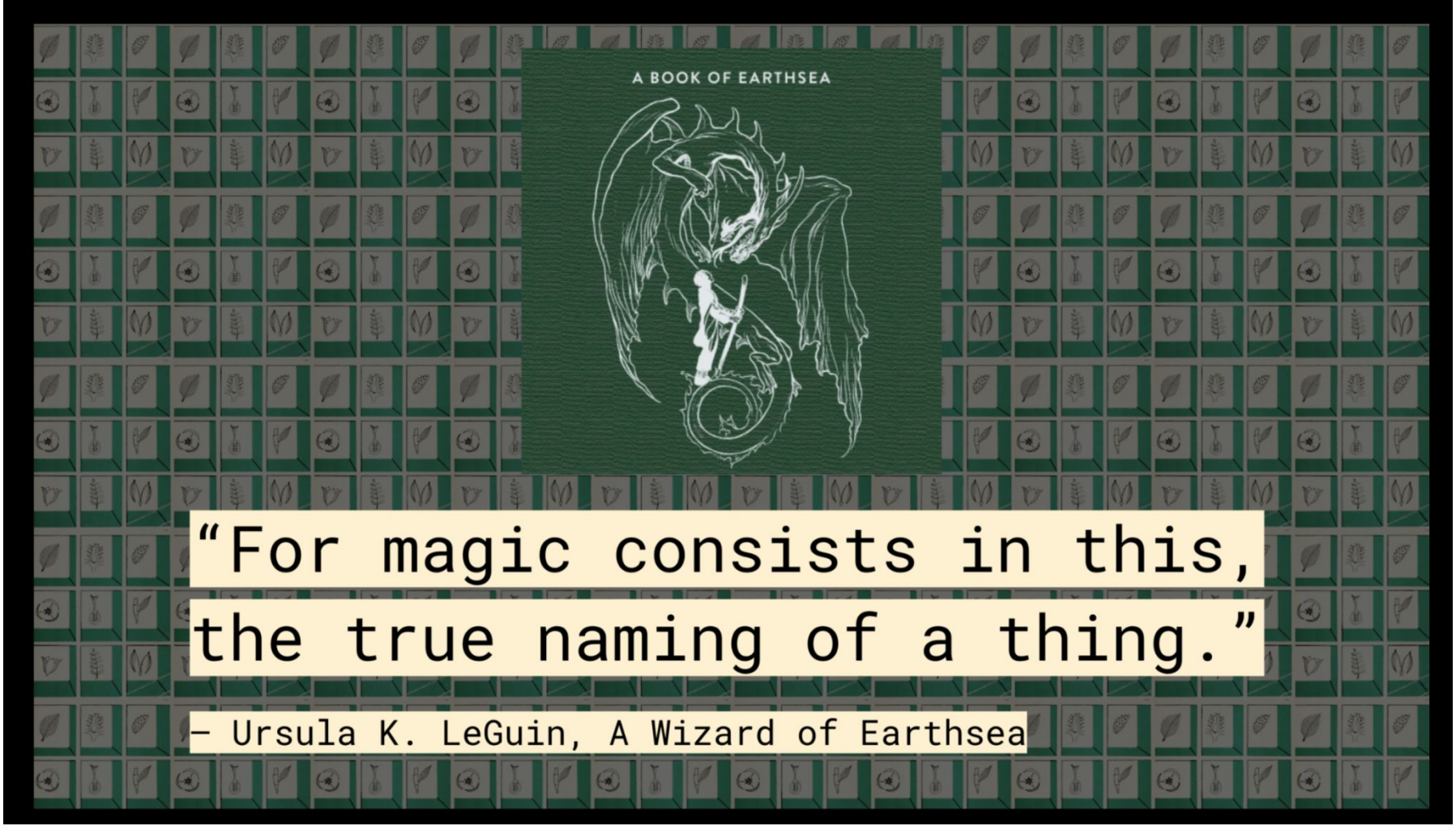
CS 103000
Prof. Madeline Blount

Week 1
inputs/outputs

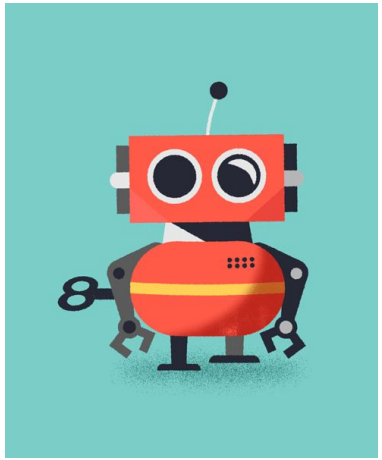
Dall-E 2: cats learning C++ in the forest on '90's technology



source: Melanie Hoffman, “Digital Love Languages” https://lovelanguages.melaniehoff.com/codes-words-spells/

source code (C++)

```cpp
#include <iostream>

int main() {
  std::cout << "Hello, Worl
  return 0;
}
```



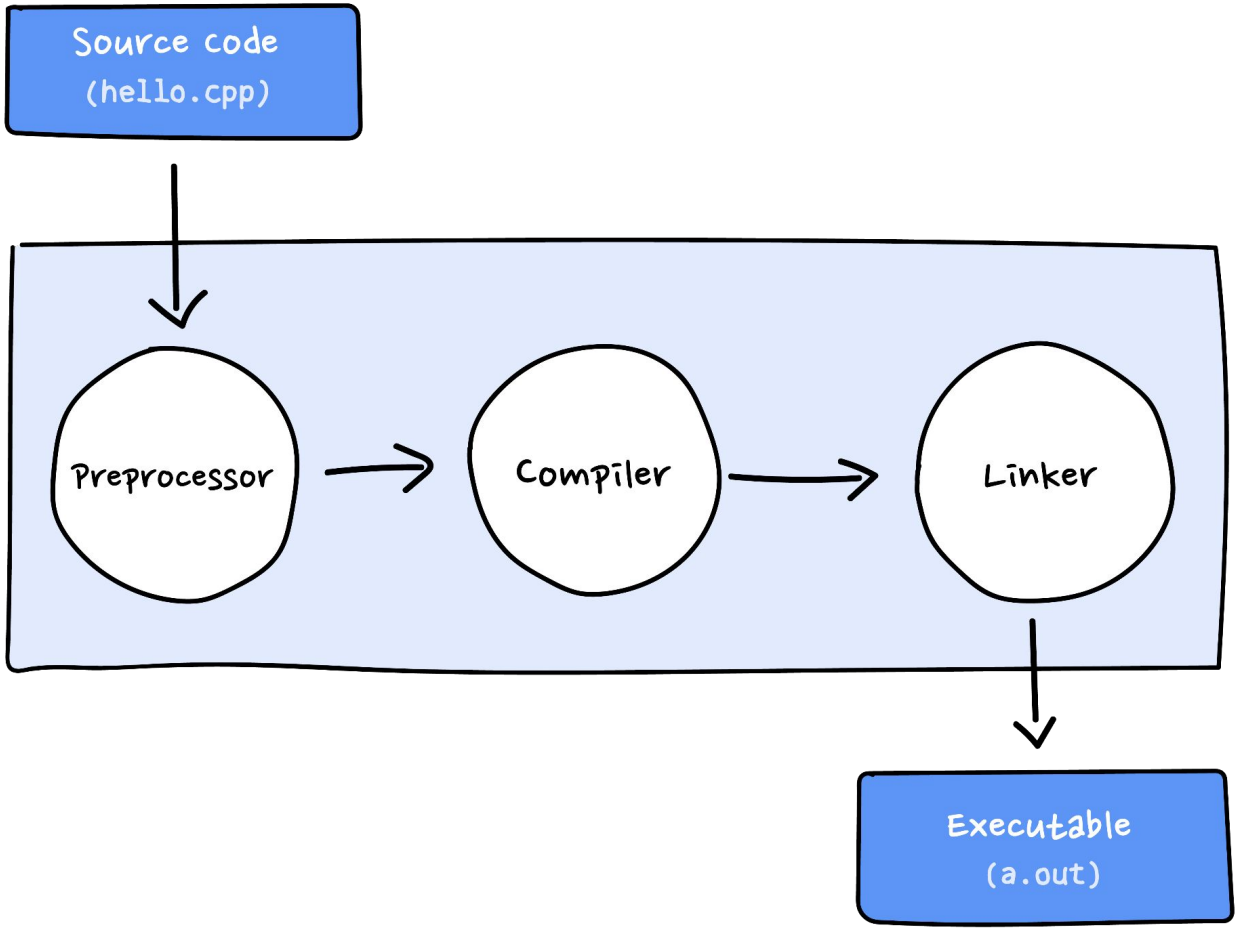
PREPROCESSOR
COMPILER
LINKER

- #include …
- line by line
- assembly language

machine code

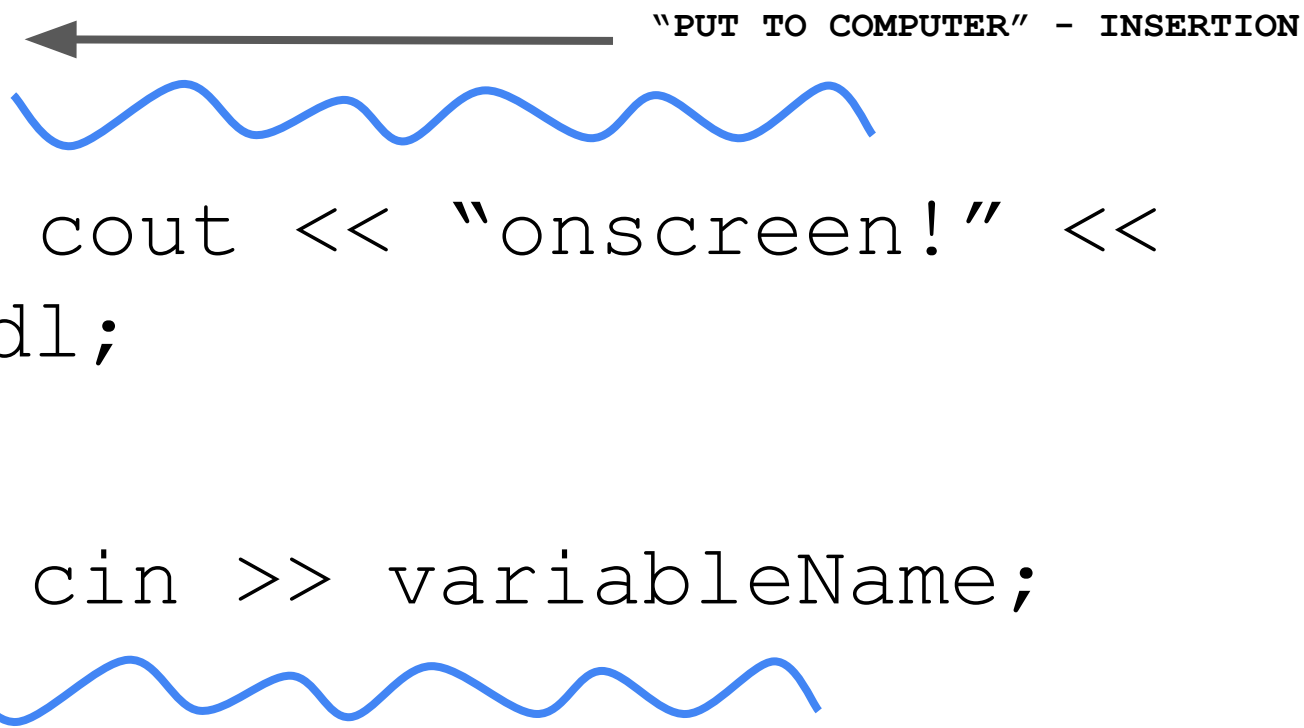
10100011
10100101
10100101
10011111

binary


Source code
(hello.cpp)
Preprocessor
Compiler
Linker
Executable
(a.out)

THE #1 PROGRAMMER EXCUSE FOR LEGITIMATELY SLACKING OFF:
"MY CODE'S COMPILING."
HEY! GET BACK TO WORK!
COMPILING!
OH. CARRY ON.

STREAMS:



cout = "character output" cin = "character input"

Wooly
WOOLY

trcc
tab
caps lock
shift
control
option

write me a program in c++ that says "hello world"

Classic 😄 Here you go—simple, clean, and correct C++:

cpp Copy code

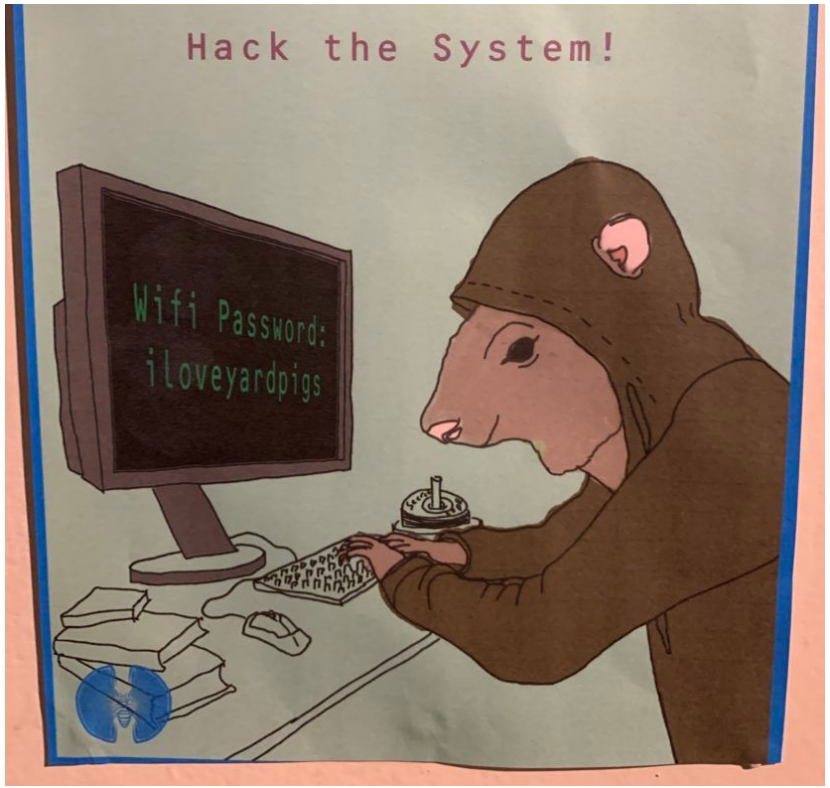
```cpp
#include <iostream>

int main() {
    std::cout << "Hello, world!" << std::endl;
    return 0;
}
```

If you want to compile and run it from the terminal:

bash Copy code

```bash
g++ hello.cpp -o hello
./hello
```

Want a slightly modern C++ version, or is this for a class / specific compiler?


Hack the System!
Wifi Password:
iloveyardpigs