

## ## Some Fundamentals ##

# Programming

Set of instructions

↳ algorithms

## Higher Level Langs

Talk with machine  
instructions to memory

↓ Assembly langs

Can name spots in memory  
Differs based on processor

FOR TRAV!

Not processor-specific

OS

## Controls operation (I/O)

# Compiling Programs

- Translates code to machine lang.

(GNU C  
compiler)

Source Program (file.c)

translate to  
assembly

## Compile & Assemble

## Building

## ✓ Errors

### Output

binary format  
→ Object file  
(file.o)

Link

libs

Executable  
(a.out)

Execute

On  
Execution

Load a.out to memory

Initiate

Waits for

· input

· event

↓ output to

Console