

assembly

text

human reading

1 line = 1 instruction

instruction
operation

arguments
operands

add

r2, r3

;

assembler
→

032345

r2 += r3

→

Labels

Loopstart:

add r2, r3

jmp loopstart

→ ^{0x9cd} 7823

9A 0x2bcd

loop:

r1	+=	r2	16	
r2	+=	-1	57	FF
if	r2 <= 0:	goto	Loop	82 <u>01</u>

disassemble

19 → add r2,r1

JMP 0x1234

Assembled Code

.text

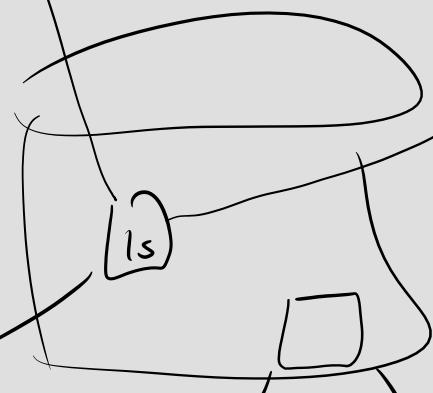
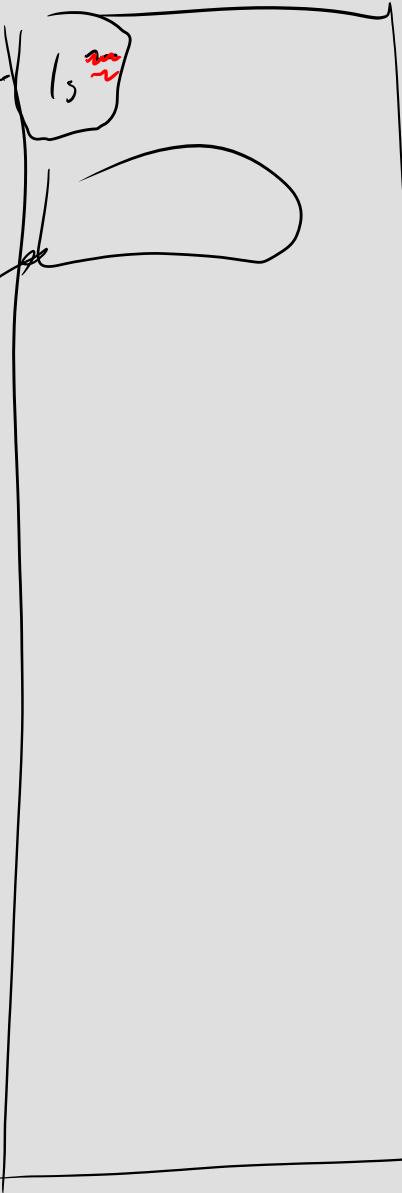
global variable
values `char

Symbol table
addr / name

ls

Jump

RAM



set of useful functions } library

Compilation pipeline

