

2. on

10-15 min test

# Laborator 1

- 10% - teste de lab (2, 3, 4, 5, 6)  $\geq 5$
- 10% - teste (memorie 2, 3 sept)
- 20% - test de laborator (lab 7) - echocoin  $\geq 5$

C/C++ (high level lang)  $\xrightarrow{\text{compiler}}$  assembly (low-level)  $\xrightarrow{\text{assembler}}$  object file (.o)

linker  $\rightarrow$  executable (elf, .a, .so)

gcc file.o -o file  
./file

CISC (x86)  
RISC (ARM, RISC-V)

%eax | \$4

add \$4, %eax

eax = eax + 4

xi: proc 4

st2: proc 7

movl \$4, %eax

movl \$4, %eax

gdb file

length | width | height  
72 10 765 4

gcc file.o -m32 -o file

to main

run  
disas main



$i \rightarrow$   
 $0x - 1 4 7 5 6 2 \quad 0x -$   
 $libx$   
 $root$   
 $;$   
 $;$

$xx \&ver$   
[github.com/longld/peda](https://github.com/longld/peda)

$\mu\&best$

$si \ (in \ 5)$

[susandedelacruz@unibuc.ro](mailto:susandedelacruz@unibuc.ro)

$ls$   
 $cd \ Desktop$   
 $mkdir \ ASC$   
 $cd \ ASC$   
 $name \ 1. \triangleright$

12 110 0 0 0