

CS 631-02 Debugging

2026-02-24

Project 01 Q & A

AFTER COMMIT / PUSH

CLONE TEST

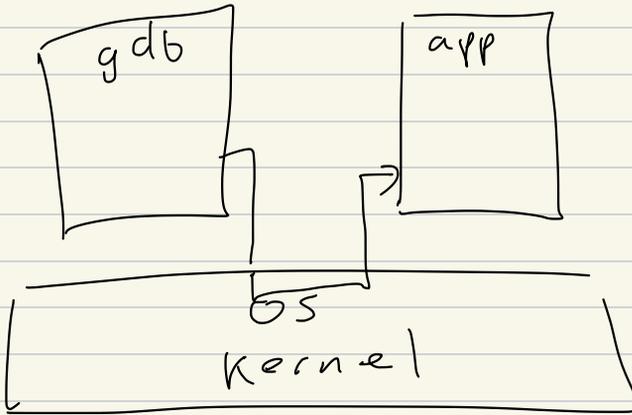
Script Mode

Scanner → new tokens

parser → EBNF  
program  
assign  
print

eval → environment

# Debugger



RISC-V Assembly - Instruction set Architecture  
Human readable form of Machine code

instructions

add sub

registers (32)

add  $t_0, t_1, t_2$

\\ /  
registers

$t_0 = t_1 + t_2$

processor variables

RISC-V 64 bit

word size  
pointer size

memory / stack

program (C)

add2:

add a0, a0, a1

add a0, a0, a2

ret

int add2(int x, int y, int z)

return x + y + z;

}