

Project02 - go over some code on Tue/Wed  
negative literals, overflow

SSH Keys → allows you to ssh into  
Pi without

SCP

SSH Keys setup for GitHub

Timezone

Makeup points

Code quality → can get all points  
back

50% back on any other points

Near term plan

Lab 05 due Mon Sep 28

ARM Assembly

Lab 06 due Mon Oct 5

Project02 due Mon Oct 12

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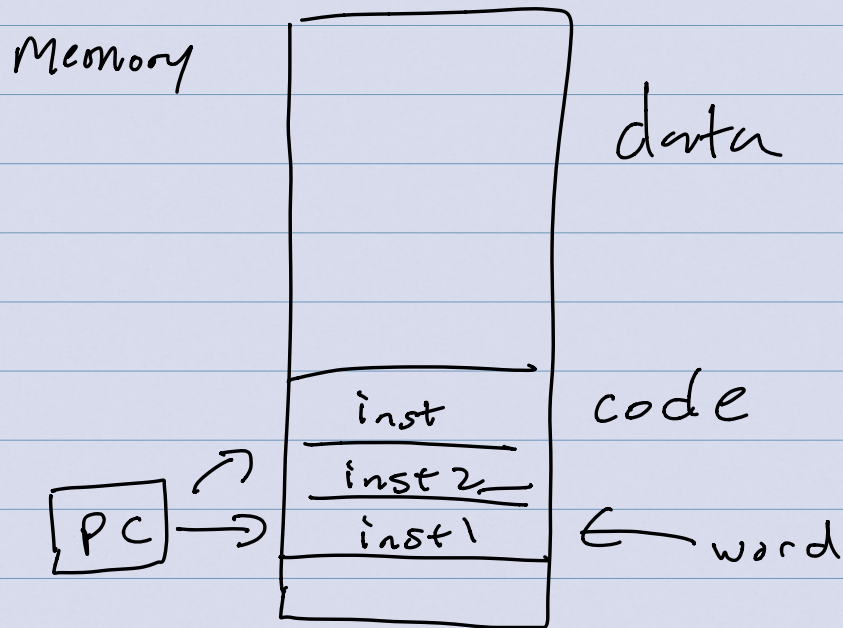
## ARM Assembly

Human readable form of  
ARM machine code

Word word size

32 bits or 64 bits

bytes

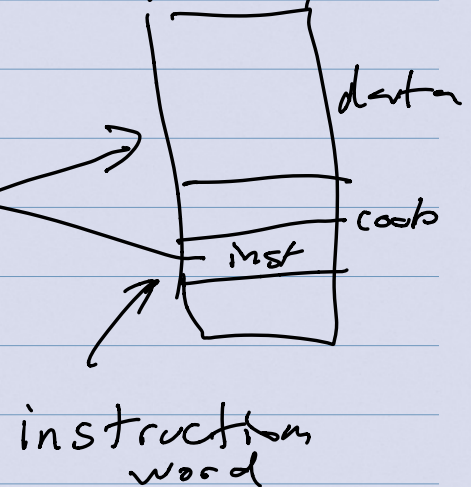


ARM Computer Processor

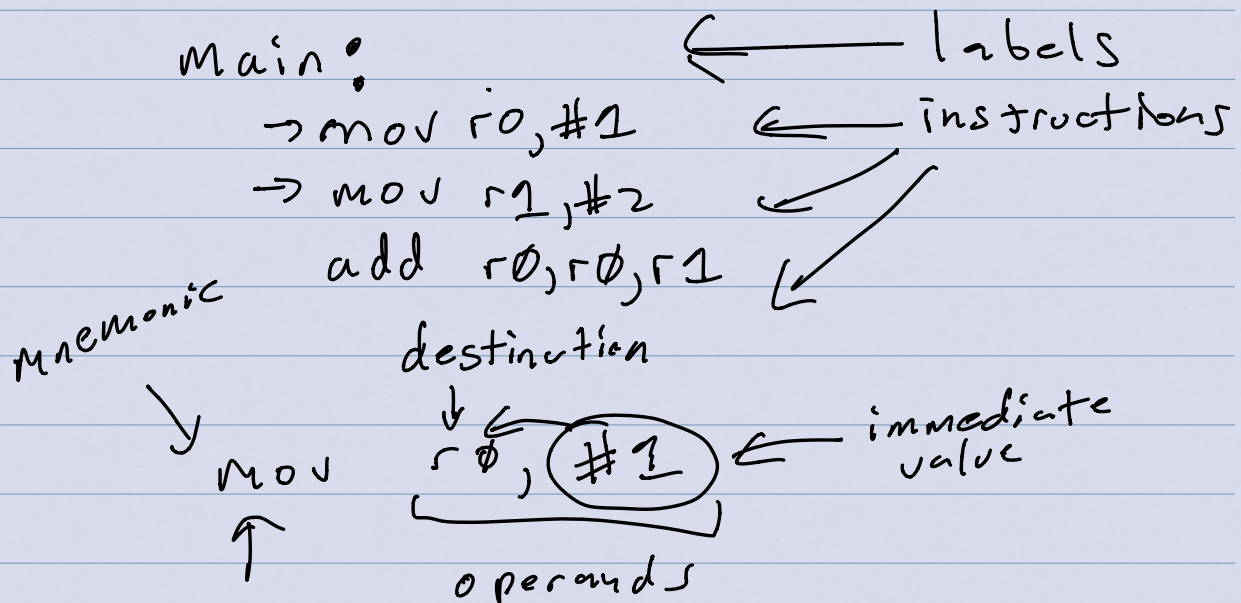


Registers  
as processor  
variable

Memory



# Assembly Language .S



instruction set

add r0, r0, r1

$r0 = r0 + r1$

mov r0, #1       $r0 = 1$

mov r0, r3       $r0 = r3$

add r0, r0, r1       $r0 = r0 + r1$

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## ARM function calls

First four args in first four reg

[r0, r1, r2, r3]      16



PC program counter

LR link register

r4, r5, r6, r7