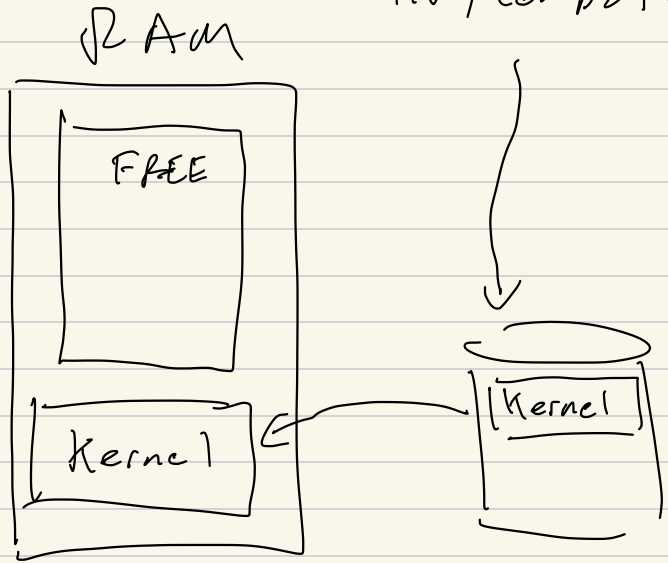


Intro to OS

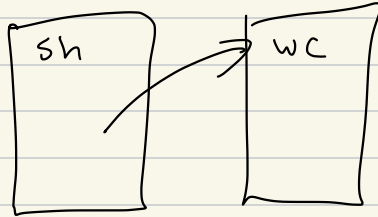
HW/Computer

1) Resource Manager (Protection)

2) Abstraction Layer  
System calls



processes



User mode

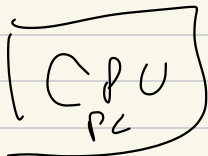
Kernel mode

process management

memory management

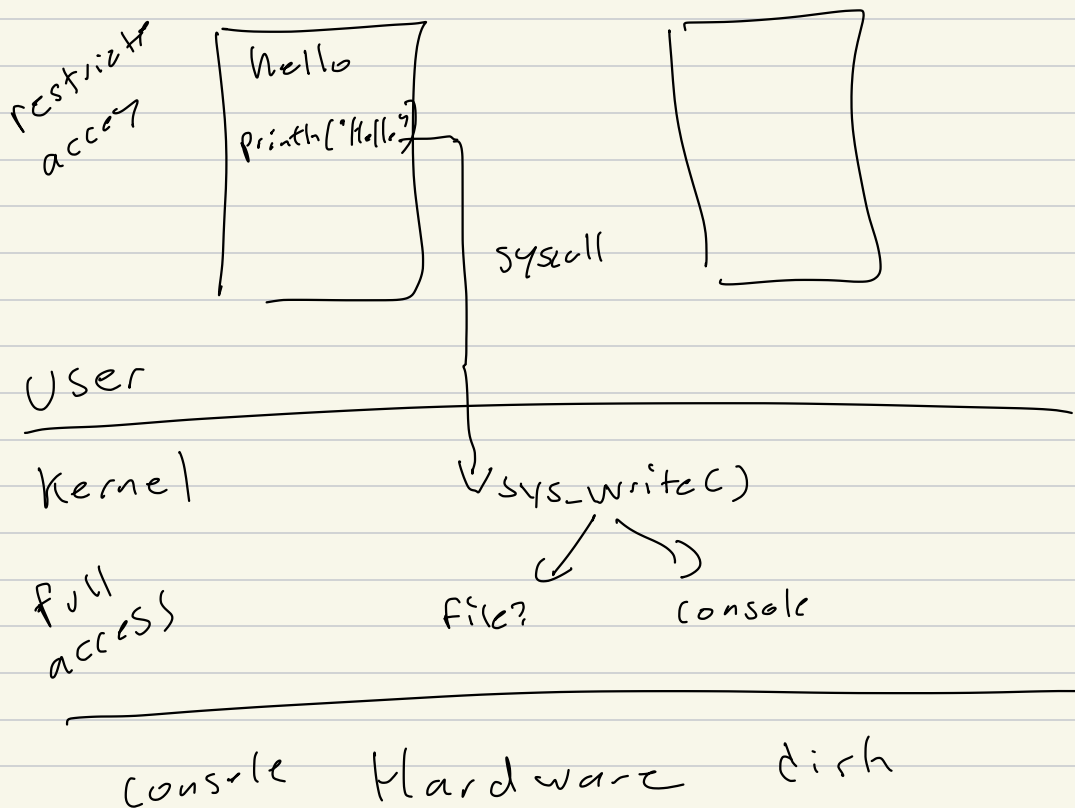
File system

Networking



Hardware

# Process $\frac{1}{2}$ Program



# File Descriptors

write(buf, len)



user

Kernel struct

PCB

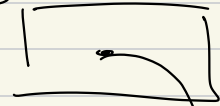
Pid

pagetable

File Table

0	
1	
2	

STDOUT



Console

process  
control  
block

