- · Attempting to direterence random memory

 -> sigfault
- · PEMV: allows for extension of small, slow
 - · has experior GDB debugging
- · Weekly DS: sys-min(message, hn(message))
 - have tell privilege over system (canstepinto

be treated as proling to a register file

	Kernel	Kernel						
	Loal	Stauk						
	datu							
0 OY	OYUDDD		D D	OXAODO	0×100	100 DX	DXIMODOO	

base memon

Syscall: taku registre call and put it into								
Standard output								
· PID (provess ID humber) · Yitld: runs the next provess Schedula (): parses current provess, calls								
								another process, and resumes
								· Wrih
WWIDH-pm (-1, 0x0700, Luonit mart) rzgs-> rzg-rd. rzgs > rzg-vsi);								
								SCHTCIVIT ()
NPROL								
Current prog find some protess that is stopped ST = move saved register file into current register and return run (pfable [pid]) VM()								

ERRORS in WEINIGOS	
log-printf("hr") from log. txt	
· Writing to kernel membry	
Kavni page fault for 0x0 (read missing	
page, rip = oxoxutoa)!	
Signmutation	
1x solutions: boundary concex the process,	
memon + 1	
Kernelnum Prog 1 Prog 2	
1 1 mov (y. rax), 0x3	
* difficult to give a program more space · Violan Kernel property that it is invisit	oh
to VIIV programs	
Stack and heap are v2 "apart, so	
how wond you make a continuor allocation	7
this big?	
Virtual Mumby	
one program's address spale cannot interfere	
with anothers	
. Memon bounton	
Kin program when it tries to woin outside	
its bounds /allowed actus areas	



