Script started on Thu Jan 9 10:33:27 2025 0m27m24mJkajal@Kajals-MacBook-Pro p5 % K?2004hbl2Cz -g os11Dbl2Cz -g os?2004l Beginning execution. . . ==================== KPL PROGRAM STARTING ==================== Initializing Thread Scheduler. . . Initializing Thread Manager. . . Initializing Frame Manager. . . AllocateRandomFrames called. NUMBER_OF_PHYSICAL_PAGE_FRAMES = 100 Initializing Disk Driver. . . Initializing File Manager. . . Initializing Thread Manager. . . User-level program 'TestProgram1' is running. . .

***** Testing Syscall Parameter Passing *****

***** About to call Sys_Yield. . . ***** Should print: ***** Handle_Sys_Yield invoked!

Handle_Sys_Yield invoked!

***** About to call Sys_Fork. . . ***** Should print: ***** Handle_Sys_Fork invoked!

Handle_Sys_Fork invoked!

***** About to call Sys_Join. . . ***** Should print: ***** Handle_Sys_Join invoked! ***** processID = 1111

Handle_Sys_Join invoked! processID = 1111

***** About to call Sys_Create. . . ***** Should print: ***** Handle_Sys_Create invoked! ***** virt addr of filename = 0x0000BFF8 ***** filename = MyFileName

Handle_Sys_Create invoked! virt addr of filename = 0x0000000A fileName = MyFileName

***** About to call Sys_Open. . . ***** Should print: ***** Handle_Sys_Open invoked! ***** virt addr of filename = 0x0000BFF8 ***** filename = MyFileName

Handle_Sys_Open invoked! virt addr of filename = 0x0000000A fileName = MyFileName

***** About to call Sys_Read. . . ***** Should print: ***** Handle_Sys_Read invoked! ***** fileDesc = 2222 ***** virt addr of buffer = 0x0000B0B0 ***** sizeInBytes = 3333

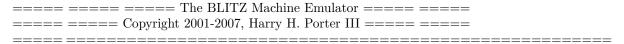Handle_Sys_Read invoked! fileDesc = 2222 virt addr of filename = 0xFFFFFFFF sizeInBytes = 3333

***** About to call Sys_Write. . . ***** Should print: ***** Handle_Sys_Write invoked! ***** fileDesc = 4444 ***** virt addr of buffer = 0x0000B0B0 ***** sizeInBytes = 5555

Handle_Sys_Write invoked! fileDesc = 4444 virt addr of filename = 0xFFFFFFFF sizeInBytes = 5555

***** About to call Sys_Seek. . . ***** Should print: ***** Handle_Sys_Seek invoked! ***** fileDesc = 6666 ***** newCurrentPos = 7777

Handle_Sys_Seek invoked! fileDesc = 6666 newCurrentPos = 7777

***** About to call Sys_Close. . . ***** Should print: ***** Handle_Sys_Close invoked! ***** fileDesc = 8888

Handle_Sys_Close invoked! fileDesc = 8888

***** About to call Sys_Exit. . . ***** Should print: ***** Handle_Sys_Exit invoked! ***** returnStatus = 9999

Handle_Sys_Exit invoked! returnStatus = 9999

***** Syscall Test Complete *****

***** Testing Exec Syscall *****

***** About to call Sys_Exec with a non-existant file. . . ***** Should print: ***** Okay

Okay

***** About to call Sys_Exec with an overly long file name. . . ***** Should print: ***** Okay

Okay

***** About to perform a successful Exec and jump to TestProgram2. . . ***** Should print: ***** User-level program 'TestProgram2' is running!

User-level program 'TestProgram2' is running!

***** About to call Sys_Shutdown. . . ***** Should print: ***** FATAL ERROR in UserProgram: "Syscall 'Shutdown' was invoked by a user thread" – TERMINATING!

FATAL ERROR in UserProgram: "Syscall 'Shutdown' was invoked by a user thread" – TERMINATING!

(To find out where execution was when the problem arose, type 'st' at the emulator prompt.)

==================== KPL PROGRAM TERMINATION ====================

**** A 'debug' instruction was encountered ***** Done! The next instruction to execute will be: 001078: C0100000 sethi 0x0000,r1 ! 0x00001088 = 4232 (noGoMessage)

Entering machine-level debugger. . .

===== ===== ===== The BLITZ Machine Emulator ===== =====
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===== ==

Enter a command at the prompt. Type 'quit' to exit or 'help' for info about
commands. > quit Number of Disk Reads = 17 Number of Disk Writes = 0
Instructions Executed = 1533236 Time Spent Sleeping = 30 Total Elapsed Time
= 1533266 0m27m24mJkajal@Kajals-MacBook-Pro p5 % K?2004hexit?2004l

Script done on Thu Jan 9 10:33:45 2025