```
####################################################################
Script started on Sun, Nov  2, 2014  4:31:47 PM

justin@Justin ~/cs333/p5
$ make
kpl Kernel -unsafe
asm Kernel.s
lddd Runtime.o Switch.o System.o List.o BitMap.o Kernel.o Main.o -o os


justin@Justin ~/cs333/p5
$ blitz -g os
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...

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
```

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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 =  = 0x0000BFF8

filename = MyFileName


***** About to call Sys_Open...

***** Should print:

*****     Handle_Sys_Open invoked!

*****     virt addr of filename = 0x0000BFF8

*****     filename = MyFileName


Handle_Sys_Open called invoked!

virt addr of filename =  = 0x0000BFF8

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 buffer = 0x0000B0B0

sizeInBytes = 3333


***** About to call Sys_Write...

***** Should print:
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*****    Handle_Sys_Write invoked!

*****      fileDesc = 4444

*****      virt addr of buffer = 0x0000B0B0

*****      sizeInBytes = 5555


Handle_Sys_Write invoked!

fileDesc = 4444

virt addr of buffer = 0x0000B0B0

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!

fileDes = 8888.


***** About to call Sys_Exit...

***** Should print:

*****      Handle_Sys_Exit invoked!

*****      returnStatus = 9999


Handle_sys_Exit invoked!

returnStatus = 9999


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


***************  ERROR IN EXEC; return code = -1


FATAL ERROR in UserProgramThread: "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        =====
=====                                            =====
=====  Copyright 2001-2007, Harry H. Porter III  =====
=====                                            =====
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Enter a command at the prompt.  Type 'quit' to exit or 'help' for
info about commands.
> q
Number of Disk Reads   = 10
Number of Disk Writes  = 0
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Instructions Executed  = 1063117
Time Spent Sleeping    = 0
    Total Elapsed Time = 1063117


justin@Justin ~/cs333/p5
$ exit
exit

Script done on Sun, Nov  2, 2014  4:31:56 PM
```