```
Initializing Process Manager...
Initializing Process Manager...
Initializing Thread Manager...
AllocateRandomFrames called. NUMBER_OF_PHYSICAL_PAGE_FRAMES = 100
 Initializing Disk Driver...
Initializing File Manager...
Loading initial program...
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 = 0x00000BFF8
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 = 0x0000BFF8
filename = MyFileName
***** About to call Sys_Read...
***** Should print:
***** Handle_Sys_Read invoked!
***** fileDesc = 2222
***** virt addr of buffer = 0x00000000
***** sizeInBytes = 3333
Handle_Sys_Read invoked!
fileDesc = 2222
virt addr of buffer = 0x0000B0B0
sizeInBytes = 3333
***** About to call Sys_Write...
***** Should print:
***** Handle_Sys_Write invoked!
***** fileDesc = 4444
***** virt addr of buffer = 0x00000000
***** 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!
FileDesc = 8888
**** About to call Sys_Exit...
 ***** 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
Okav
***** About to call Sys_Exec with an overly long file name...
***** Should print:
***** Okay
Okav
 **** 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!
```