10/15/15 Pre-Class Work

* Required

Harvard email address: *

Please indicate which course you are taking. *
- CS61 (College)
- CSCIE-61 (Extension)

fork/exec

The only difference between the parent and child after a fork is: *
- The amount of memory allocated to the process
- The state of the file descriptors
- Their stack frames
- The return value from the fork call

If a child process did not execute an exec (or execve), what would happen? *
- It would continue running the process the parent was running.
- It would crash.
- It would corrupt the parent’s stack.
- It would corrupt the parent’s heap.

It is possible to use a pipe to send data from a parent process to a child process. *
- True
- False

It is possible to use a pipe to send data from a child process to a parent process. *
- True
- False

Dup2 doubles the number of file descriptors a process has. *
- True
- False
Review Questions

You must sometimes malloc more memory than the size of a structure to guarantee proper alignment. *

☐ True
☒ False

Malloc returns space on the stack. *

☐ True
☒ False

What will the alignment be for a structure containing a double, a short, and a char? *

☐ 1
☐ 2
☐ 4
☒ 8

Does the answer to the previous question change between 32-bit and 64-bit architectures? *

☐ Yes
☒ No

A slab allocator can suffer from external fragmentation. *

☐ True
☒ False

Submit

Never submit passwords through Google Forms.