

Graded exercise

1) syscalls

1.1 wrappers.

The best the user space library kernel syscall wrapper can do is check if $p \neq \text{NULL}$.

To check if the user space (virtual memory) p given to it is even memory mapped through paging to a physical memory address (through paging), work must be done on the kernel side.

Same for read/write permission to that memory address.

Kernel check is mandatory. Library is if they want to do NULL check.