LAB 1 OS

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1. What are the advantages and disadvantages of using the same system
call interface for manipulating both files and devices?

The advantages of using the same system call interface is that it reduces complexity.
It offers a consistent set of of system calls for for the files and devices.
Using the same system call interface also makes it easier for us programmers because
it streamlines development and maintenence. The disadvantages of this are that it may not
cater to sepcialized devices, make driver development more complex with specific hardware.

2. Would it be possible for the user to develop a new command interpreter
using the system call interface provide by the operating system? How?

Yes it is possible for the user to create a new command interpreter using the system call
interface. They can create a shell through implementing built-in commands, I/O redirection,
and command execution with a given programming language.