Lab 1

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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 advantage is the they can be read written to and changed in similar ways. This allows the code to be modular so it easier to diagnose issues as the tool acts universally. The disadvantage is that complexity is put upon the devices which can make them not perform optimally.

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?

It would be possible for the user to develop a new command interpreter. The user would be able to use system calls to make a new interpreter. System calls allow the user to control the programs than run. They can therefore use their programs to control files and devices.