

Lab1

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1 WHAT ARE THE ADVANTAGES AND DISADVANTAGES OF USING THE SAME SYSTEM CALL INTERFACE FOR MANIPULATING BOTH FILES AND DEVICES?

1.1 ADVANTAGES

Files are more organized and in one central location. Along with devices, which can be more easily added and detected.

1.2 DISADVANTAGES

There is limited performance when using the same system call interface and a significant difference in difficulty to implement all necessary functionality for a device.

2 WOULD IT BE POSSIBLE FOR THE USER TO DEVELOP A NEW COMMAND INTERPRETER USING THE SYSTEM CALL INTERFACE PROVIDED BY THE OPERATING SYSTEM? HOW?

Yes, it would be possible since the command interpreter allows users to create and manage processes, while also regulating its communication through files.