

# Lab One

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## 1 QUESTION ONE

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

### 1.1 ANSWER ONE

The advantages of using the same system call interface for manipulating both files and devices is that it is easier to access the file in the file system. The kernel deals with devices in the file interface, it is easy to add a new device driver. The disadvantages of using the same interface is that it is difficult to capture the functionality of certain devices. Resulting in loss of functionality or loss of performance.

## 2 QUESTION TWO

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

### 2.1 ANSWER TWO

It would be possible for the user to develop a new command interpreter using the system call interface provided by the operating system. The command interpreter allows the user to create and manage processes, while also managing how they communicate. Using system calls, the functionality of the system can be accessed by the user level program allowing the user to develop a new command interpreter.