**Chapter 1**

The purpose of an interrupt is to control transfer of a process. This is similar to a function call in a main method. When an interrupt is called the code executes the block associated with the interrupt and then returns to running the program.

A trap is different from an interrupt such that a trap is called as the result of an exception within a program. A trap is generated within software whereas an interrupt is called from hardware.

A user within a program may call a trap intentionally. A trap is used to allow a developer to use a debugger.

**Chapter 2**

The command interpreter is synonymous with a command line interface. A command interpreter allows a user to execute commands via a command line.

One benefit of keeping the interpreter separate from the kernel is to allow multiple interpreter instances to run at once. Also, if the interpreter crashes it will not also cause the kernel to crash.

**Practical**

IRQF\_IRQPOLL = 0x00001000

Found at <http://lxr.linux.no/linux+v3.7.2/include/linux/interrupt.h>