# **[Linux Programming]** Day7

Class	Understanding Linux/Unix Programming
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# **[Ch3]** Directories and File Properties: Looking through Is

## 3.2 Question 1: What does Is do?

## 3.2.1 Listing Other Directories, Reporting on Other Files

We can ask so for information about files in other directories by specifying directory names and filenames on the command line:

Asking 1s about Other Directories and Their Files			
Example	Action		
ls /tmp	list names of files in /tmp directory		
ls -1 docs	show attributes of files in does directory		
ls -1/Makefile	show attributes of/Makefile		
ls *.c	list names of files matching pattern *.c		

If an argument is a directory, **ts** lists its contents. If an argument is a file, **ts** lists its name or attributes.

#### 3.2.2 Popular Command-Line Options

Some popular **1s** command-line options are:

Command	Action	
ls -a	shows "."-files	
ls -lu	shows last-read time	
ls -s	shows size in blocks	
ls -t	sorts in time order	
ls -F	shows file types	

#### **3.2.3 A Summary**

- **1s** does two things:
  - 1. Lists the contents of directories
- 2. Displays information about files

Is figures out if a command-line argument is a file or a directory. If we are to write a version of Is, we need to master three skills:

- How to list the contents of a directory
- How to obtain and display properties of a file
- How to determine if a name refers to a file or a directory