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Chapter 10: 1, 2, 6, 10, 11, 12, 13, 14, 16, 17, 30

**Chapter 10:**

**1.** What is the difference between a wild card and a regular expression?

**2.** What do these commands do?

(i) grep a b c

(ii) grep <HTML> foo

(iii) grep “\*\*” foo

(iv) grep \*.

**6.** Are the following commands equivalent?

grep “^[^a-z]” foo

grep -v “^[a-z]” foo

**10.** Explain the task performed by the following pipeline. Can you simplify it to use two

commands instead of four?

ls -t `grep fork \*.c | cut -d: -f1 | sort -u`

**11.** How do you display the listing of all files in the current directory that have the

same permissions as ./foo?

**12.** Frame regular expressions to match these patterns:

(i) jefferies jeffery jeffreys

(ii) hitchen hitchin hitching

(iii) Heard herd Hird

(iv) dix dick dicks dickson dixon

(v) Mcgee mcghee magee

(vi) wood woodcock woodhouse.

**13.** How do these expressions differ?

(i) [ 0 - 9 ] \* and [ 0 - 9 ] [ 0 - 9 ] \*

(ii) ^[^^] and ^^^.

**14.** Frame a command sequence that looks at romeo’s mailbox to tell him either that

he has received a message from henry or that the Subject: line contains the

word urgent or immediate in lower- or uppercase.

**16.** Explain the significance of this command:

grep “^[^:]\*:[^:]\*:100:” /etc/passwd

**17.** How do you locate all lines containing printf, but not sprintf and fprintf,

anywhere but at the end of a line?

**30.** Specify the command sequence needed to remove the directory /usr/local/bin

from the PATH defined in $HOME/.profile.