

Fall 2005: CS 344 – UNIX Operating Systems Fundamentals

Solution Homework – 2

4. *paste -d: homework homework5 | tee homework*
5. *echo "No. of entries in file quizscores = "*
cat quizscores | wc -l
echo "No. of entries in file homework = "
cat homework | wc -l
echo "New scoresheet: "
echo "Code:Quiz1:HW1:Quiz2:HW2:Quiz3:HW3:Quiz4:HW4:Quiz5:HW5"
sort -n quizscores -o quizscores
sort -n homework -o homework
*cat homework | tr ':' '\t' | *
*join -o 1.1 1.2 2.2 1.3 2.3 1.4 2.4 1.5 2.5 1.6 2.6 quizscores - | *
tr ' ' ':' | tee scoresheet
6. For the following operations write down the command used along with the options and the output produced: [20 points (5 points each)]
 - a. *cut -f1,6 quizscores*
 - b. *grep 100 scoresheet*
 - c. *cat scoresheet | tr ':' '\t' > sc; mv sc scoresheet*
 - d. *cut -d: -f1,2,4,6,8,10 < scoresheet > file1; *
cut -d: -f1,3,5,7,9,11 < scoresheet > file2
7.
 - a. It copies the file *yppasswd* from the home directory of hernandf to the user's *cs344/fall2005/* directory (~is replaced by the user's home directory)
 - b. It changes the current directory to *~/cs344/fall2005/hw2* and then copies the file *yppasswd* located in the parent directory (*~/cs344/fall2005/*) to the current directory (*~/cs344/fall2005/hw2*)
 - c. It extracts the names (First Last) from *yppasswd*, sorts the names by last name, and redirects the output to file *users* and to the screen

- d. It displays the lines from *yppasswd* in which cs330 is not found. (Ignoring the case of the letters and displaying the line number).
- e. It replaces each colon (:) in file *yppasswd* for a TAB (`\t`). The file is not modified and the output is displayed only to the screen.