

1. Display the contents of emp.dat in a formatted way using awk. [awk '{print \$0 }' emp.dat]
2. Display the Hari's salary from the emp.dat. [awk -F"," '{if (\$2 == "Hari") print \$3 }' emp.dat]
3. Display the details of "anu" record if present in the emp.dat [awk -F"," '{if (\$2 == "anu") print \$0 }' emp.dat]
4. Write a shell script to display suitable error message if the record of 2(above) not found.
5. Write a awk command to display the salaries against their names from emp.dat
6. Display file names and their size using in the pwd (Hint: use awk) [ls -l|tr -s " " | grep -v ^t | awk -F " " '{print \$9 "\t" \$5}' or ls -l|tr -s " " | grep -v ^t | awk '{print \$9 "\t" \$5}']
7. Count the size of each file in pwd.
8. Write a complete awk script in a separate file to re-do the 5 (above). Take care of the formatting.
9. Create the following file to use for these exercises. Name it addresses.txt:

Roger Longtwig:35 Midvale Ave.:Austin, TX:35432
Brad Brookstone:1044 E. 32nd St.:NY, New York:10001
Richard Smack:845 Pleasant Ter.:Dauberville, CT:06239
Django Steinbart:10 E. Point Way:Atlanta, GA:30374
Cliff Claymore:111 S. Main St.:Clevenger, IA:55472

1. Create a command that will sort these by ZIP code into a file called addresses-sorted.txt.
2. Create a sed script that will replace any street abbreviation (such as St. or Ave.) or cardinal abbreviation (N., S., E., W.) with the full word.
3. Create a command that will reverse the "NY, New York" in the second line to "New York, NY".

10. Write an awk script to report department wise summary of Gross Pay and Nett Pay for a payroll application. The data file has the format Department, Name (First Middle Last), Gross Pay, Deductions, Nett Pay. The output is to be sorted on Department. (Hint: Sort the input file on department before processing.)

11. Write an awk script to count the frequency distribution of words in a text file.

12. In most parts of Europe, the format for displaying the name is LNAME (in capitals), First Middle. Using the comma separated file with the format as below for input, perform the conversion. If a person has less than three names, report the word 'dot' in place of that name or names.

Column1: First Middle Last
Column2: Telephone Number
Column 3: Location

13. Create a file to have multiple occurrence of a string (say day). Demonstrate the one and multiple substitution using sed command.

14. Create a table and do some CRUD operations on mariaDB.