



ABC IT Education

WE'LL TAKE YOU FROM ZERO TO HERO IN A SNAP

Linux Systems Administration

Homework 9

Use your Home Centos for this Home work show the command that will answer each

Using the 'training' directory created in the last home work

1. What is the crontab entry for the scenarios below.
 - i. Schedule job '/home/myhome/setPerms' runs every 15 minutes on Mondays, Wednesdays and Fridays and ignore the errors.
 - ii. Schedule job '/home/myhome/createUsers' runs at midnight, on the 1st, 15th and 30th of the month with 31 days and send all the output to createUsers.log.
 - iii. Schedule job '/etc/parseLogs' runs at 2:30 AM on Sundays of the even months and send the output to parselogs.log and errors to parselogs.err.
2. Explain your understanding of the following
 - i. The difference between the commands 'su' and 'su -'
 - ii. The difference between 'su' and 'sudo'

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3. If I am logged in as 'adminuser' but I need to run commands as 'msaks', show 3 ways of doing that.
4. What does the 'history' command do and what are some of its benefits?
5. If I run the 'history' command and want to repeat certain commands how will I achieve the following?
 - i. Repeat the last command that started with 'so'
 - ii. Repeat the command on line 201
 - iii. Repeat the last command I executed
6. If I run the command `$ tail one.txt zero.txt out.log` testing then the following are the same, True or False
 - i. `!:2` is zero.txt
 - ii. `!:1 = !^`
 - iii. `!$ = !:4`
 - iv. `tail = !:0`
 - v. `vi !$ = vi !:4`

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10. After executing the command `'echo DEL MA VA'`, what would be the result of the command
`echo "I live in the !e:2 area of !^ !:2 !$ region"`
11. What are the primary package managers used to install packages in Linux? Also list the utilities and commands used for each package manager you listed.
12. If the `'cat'` command is in `/bin/cat`, how can I tell what package the `'cat'` command belongs to and the files in that package? Provide answers for both RPM and DEB flavors of Linux.
13. How would you install the following applications, `linuxClasses_x86_64.rpm` and `linuxClasses_x86_64.rpm` downloaded from the internet, without being prompted to answer installation questions?