LPIC-1 101-400 – Lesson 1 – Lab

* Login to your Lab environment

$ cd /etc ; pwd # Change to the /etc directory and display the current directory

$ set | less # show shell variables (press q to quit less)

$ env | less # show environment variables (press q to quit less)

$ MYTEST=testing # set a new shell variable

$ set | grep MYTEST # verify that it is a shell variable

$ env | grep MYTEST # verify that it is not an environment variable

$ bash # invoke a child shell

$ ps f # can you identify the parent shell and the child shell?

$ set | grep MYTEST # is the variable present in the child shell?

$ env | grep MYTEST # is the variable present in the environment of the child shell?

$ exit # exit to the parent shell

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- **$ set | grep MYTEST** # is the variable present in the parent shell?

- **$ env | grep MYTEST** # is the variable present in the environment of the parent shell?

- **$ export MYTEST** # export the shell variable to the environment of the parent shell

- **$ set | grep MYTEST** # is the variable present in the parent shell?

- **$ env | grep MYTEST** # is the variable present in the environment of parent shell?

- **$ bash** # invoke a child shell

- **$ set | grep MYTEST** # is the variable present in the child shell?

- **$ env | grep MYTEST** # is the variable present in the environment of the child shell?

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- **$ unset MYTEST** # unset the variable in the child shell
- **$ set | grep MYTEST** # is the variable present in the child shell?
- **$ env | grep MYTEST** # is the variable present in the environment of the child shell?
- **$ exit** # exit to the parent shell
- **$ set | grep MYTEST** # is the variable present in the parent shell?
- **$ env | grep MYTEST** # is the variable present in the environment of the parent shell?
- **$ echo "MYTEST equals $MYTEST"** # using double quotes
- **$ echo 'MYTEST equals $MYTEST'** # using single quotes
- **$ echo 'Lab of Lesson 1, complete!'**
- **$ fc** # edit recent command history
- **$ echo $$** # show PID of current shell
- **$ bash** # create a child shell
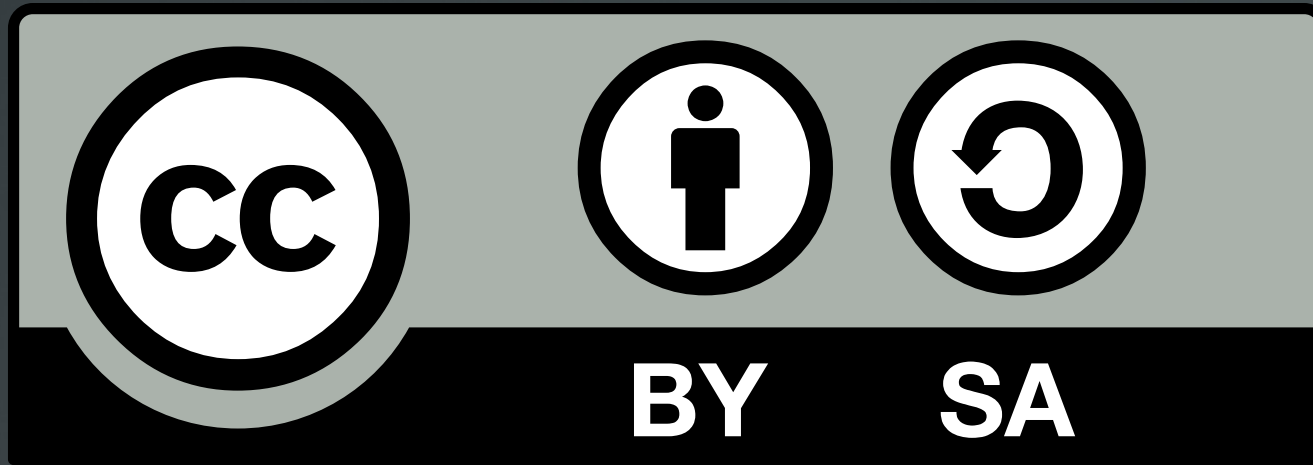- **$ echo $$** # show PID of current shell

Lesson 1 – Lab

- **$ exec echo $$** # echo takes over the child shell
- **$ ps f** # where is the child?
- **$ echo $$** # back in the parent shell
- **$ uname -a** # show all system information
- **$ uname -r** # show kernel revision
- **$ uname -o** # Show Operating System
- **$ history** # show command history
- **$!!** # execute last command

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