

Assignment Day 8 | 9th December 2020

For any doubts regarding the assignment, ask questions in the [Linux](#)

[Administration 101 B1](#) Group in the Community.

Submit Assignments by 12th December 2020 11:59 PM.

Assignment Submit Form :

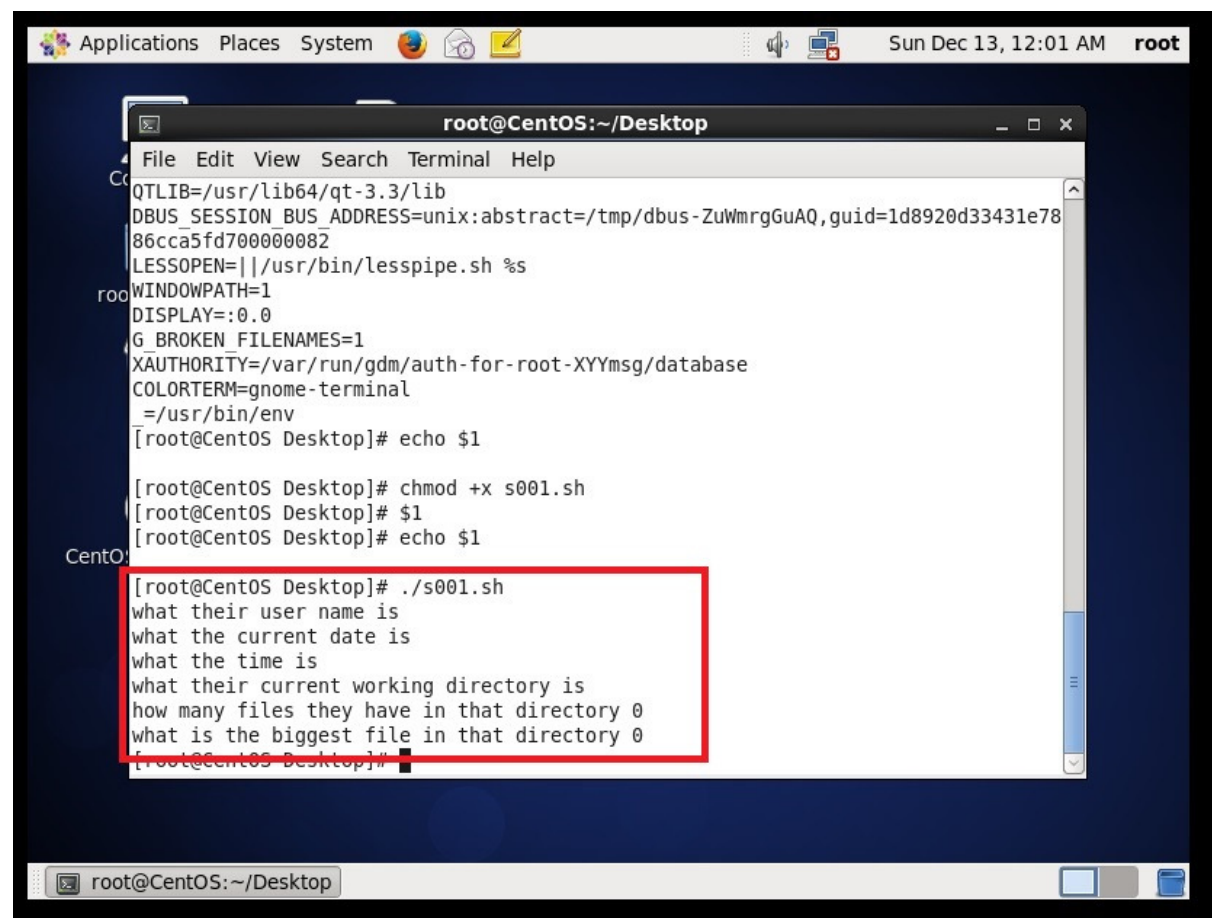
<https://forms.gle/9MNzWbdDXhhdstWEA>

Submit assignments in Appropriate Dropdowns.

Assignment 0

1. Create a simple shell script to tell the user about their session - they need to know:

- What their username is
- What the current date is
- What the time is
- What their current working directory is
- How many files they have in that directory
- What is the biggest file in their current directory



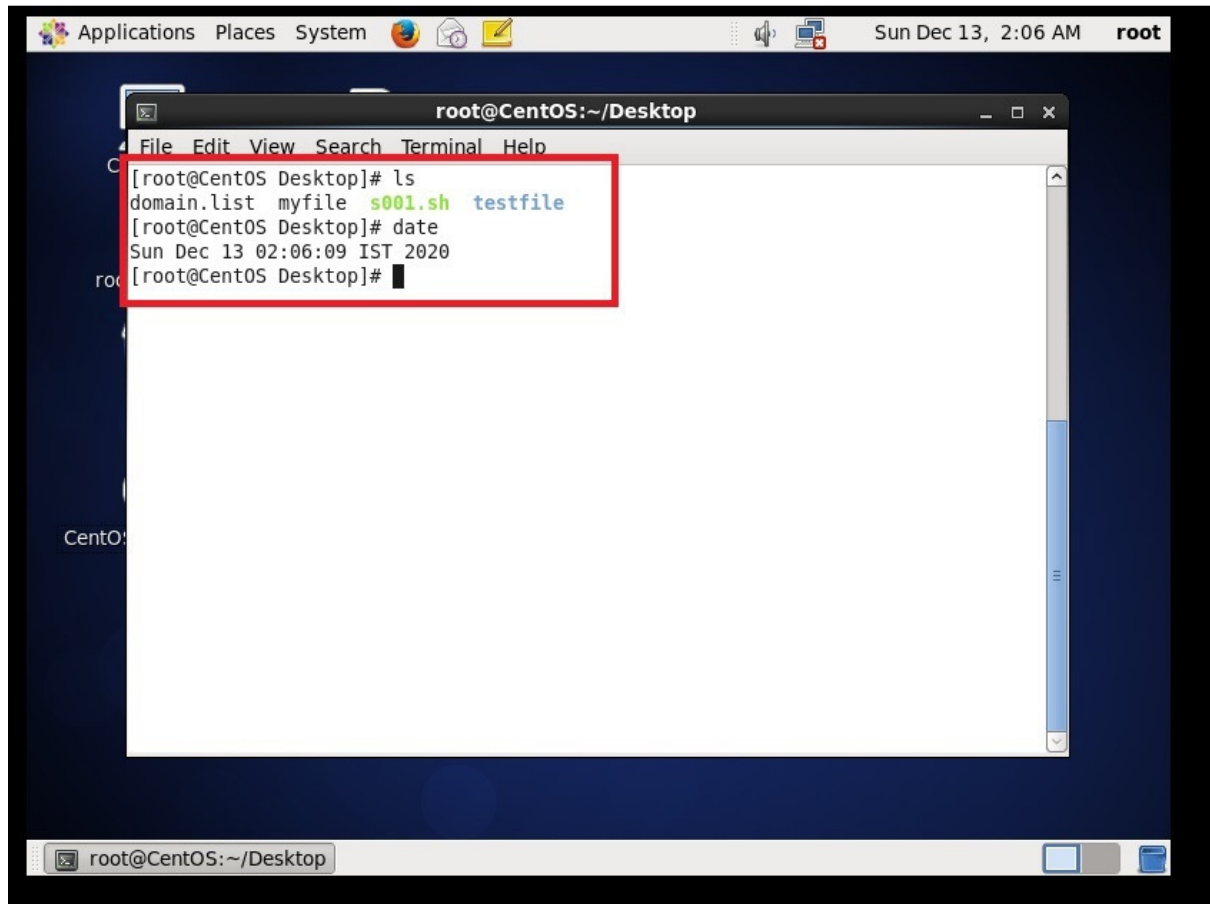
The screenshot shows a Linux desktop environment with a terminal window titled "root@CentOS:~/Desktop". The terminal displays the following commands and output:

```
root@CentOS Desktop]# echo $1
[root@CentOS Desktop]# chmod +x s001.sh
[root@CentOS Desktop]# $1
[root@CentOS Desktop]# echo $1
[root@CentOS Desktop]# ./s001.sh
what their user name is
what the current date is
what the time is
what their current working directory is
how many files they have in that directory 0
what is the biggest file in that directory 0
[root@CentOS Desktop]#
```

The output of the script is highlighted with a red box. The desktop environment includes a top bar with "Applications", "Places", and "System" menus, and a system tray showing the date and time as "Sun Dec 13, 12:01 AM" and the user as "root".

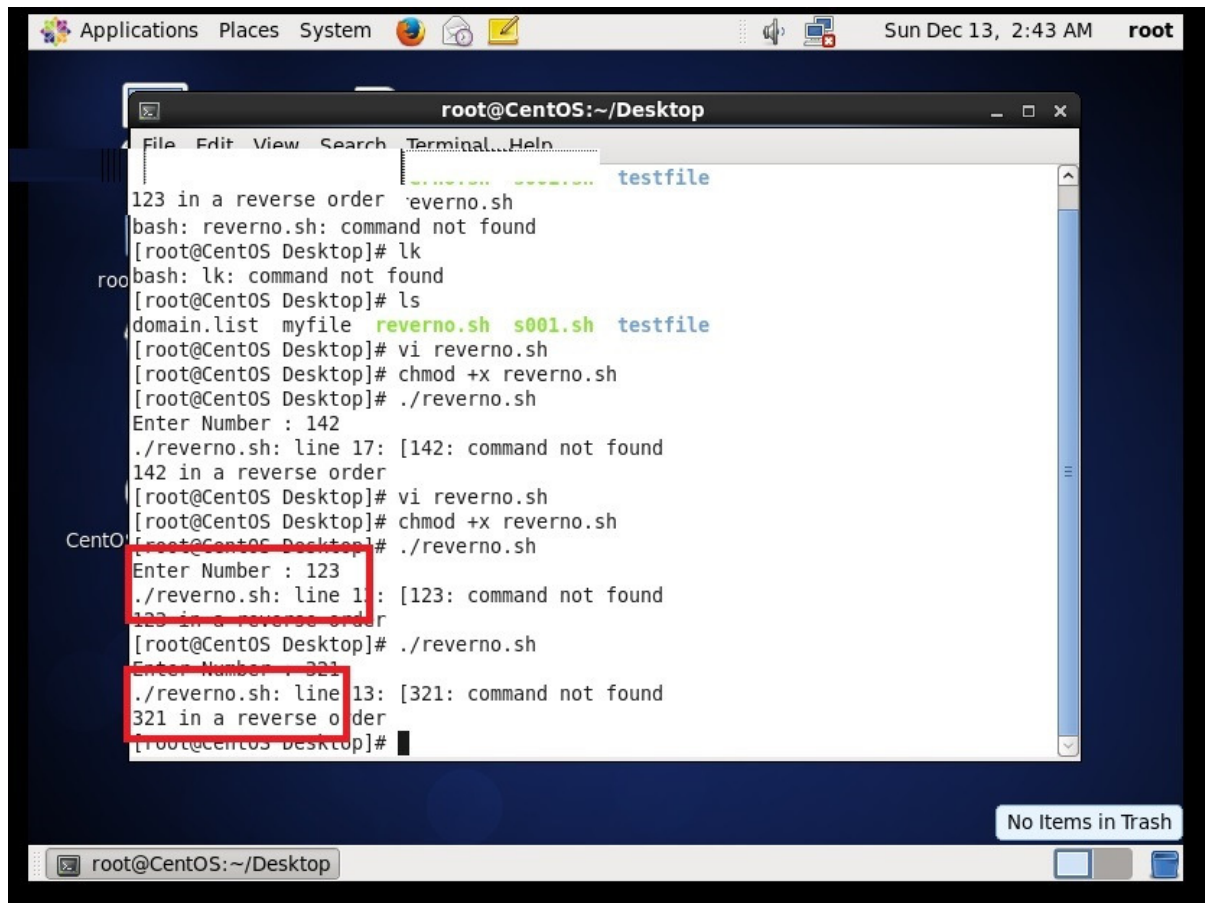
Assignment 1

Create a directory with a few test files in it (the files can be empty).
Now write a script that for every file in that directory you rename it to have an extension of today's date in YYYYMMDD format.



Assignment 2

Write a script that takes a number as an input and reverses it out to the user. For example, if the original number is 74985, the output should be 58947.



```
root@CentOS:~/Desktop
File Edit View Search Terminal... Help
testfile
123 in a reverse order reverno.sh
bash: reverno.sh: command not found
[root@CentOS Desktop]# lk
bash: lk: command not found
[root@CentOS Desktop]# ls
domain.list myfile reverno.sh s001.sh testfile
[root@CentOS Desktop]# vi reverno.sh
[root@CentOS Desktop]# chmod +x reverno.sh
[root@CentOS Desktop]# ./reverno.sh
Enter Number : 142
./reverno.sh: line 17: [142: command not found
142 in a reverse order
[root@CentOS Desktop]# vi reverno.sh
[root@CentOS Desktop]# chmod +x reverno.sh
[root@CentOS Desktop]# ./reverno.sh
Enter Number : 123
./reverno.sh: line 1: [123: command not found
123 in a reverse order
[root@CentOS Desktop]# ./reverno.sh
Enter Number : 321
./reverno.sh: line 13: [321: command not found
321 in a reverse order
[root@CentOS Desktop]#
```

Assignment 3

Write a script to validate how secure someone's password is. Things you would care about:

- Length should be 8 or more characters
- The password should contain numbers and letters
- There should be both uppercase and lowercase letters

```
File Edit View Search Terminal Help
[root@CentOS Desktop]# clear

[root@CentOS Desktop]# vi password.sh
[root@CentOS Desktop]# pwd
/root/Desktop
[root@CentOS Desktop]# prerana@
bash: prerana@: command not found
[root@CentOS Desktop]# minlen
bash: minlen: command not found
[root@CentOS Desktop]# minclass
bash: minclass: command not found
[root@CentOS Desktop]# minlen=8
[root@CentOS Desktop]# midir
bash: midir: command not found
[root@CentOS Desktop]# mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
[root@CentOS Desktop]# ls
domain.list  myfile  password.sh  reverno.sh  s00l.sh  testfile
[root@CentOS Desktop]# vi password.sh
[root@CentOS Desktop]# chmod +x password.sh
[root@CentOS Desktop]# ./password.sh
length should be 8 or more character $minlen=8
[root@CentOS Desktop]# minclass=8
[root@CentOS Desktop]# vi password.sh
[root@CentOS Desktop]# chmod +x password.sh
[root@CentOS Desktop]# ./passord.sh
bash: ./passord.sh: No such file or directory
[root@CentOS Desktop]# ./password.sh
length should be 8 or more character $minlen=8
The password should number and letters $minclass=6
The password should both upper and lower case $lcredit=10
[root@CentOS Desktop]# █
```