

Pre: Know about the commands listed below

Uname, cat, echo, whoami, chmod, chown, du, df, apt-get, mv, cp, rm, tail, head, grep, ssh, tr

- e0. Use the command uname to simultaneously show the name and version of the system
- e1. Use the command echo to show the full path of your home directory
- e2. Use the command whoami to show the current login user.
- e3. Make the file 1.sh in the current directory executable.
- e4. Show the disk usage of the current directory, with depth 1, and human readable output.
- e5. Change the name of file 1.sh to 2.sh
- e6. Use apt-get to install jq.
- e7. Use ssh to connect to 10.19.248.12, with user oyel.

- n1. Show line 6-10 of file /etc/hosts.
- n2. Copy the file 1.sh in the current directory to your home directory, the modification time should be preserved.
- n3. Make the files and subdirectories of directory "dir" readable, writable, executable to all users, use mode.
- n4. Use grep to find all matches of pattern "url" in file "commits.json", print 1 line of leading and trailing context surrounding each match.

- h1. Show all the hidden files and directories under your home directory, do not include "." and "..".
- h2. Echo every 2 letter combination of a, b, c, and d including doubles. Do not write out all combinations manually, and do not use loops.
- h3. Use awk to show the first and the second column of command "ls -l", the header should not be included(grep -v).
- h4. Transform all uppercase letters to lowercase in the file "input.txt", and output the result to "output.txt".
- h5. Find the three most space-consuming sub-directories under the current directory, output them in descending order.
- h6. Write a script to sum from 1 to 100.
- h7. Write a script to show the number of lines of each file in the current directory.