

Scripting and Computing Environment (SCE CSE505)

Lab 1 - Advanced Commands

16/17th August 2013

Create a folder with the name as your RollNumber. Do all your work within this folder.

1. Create a files with following file permissions:
 - 1a.txt - User can read and write, Other can only read.
 - 1b.txt - User can execute, Group can only read. Others can neither read, write or execute.
 - 1c.txt – User can only read. Group can only read. Others can neither read, write or execute.
 - 1d.txt – Nobody can read, write or execute
2. Create a group 'group1'. Create a user 'user1' in that group.
 - Create file 2.txt
 - Change the permissions of this file so that Only owner can only read. Others cannot read, write or execute.
 - Change the owner of this file to user1.
 - Now try to read this file.
3. ssh into your IIIT web account. (Hint: your IIIT web account is <username>@web.iiit.ac.in)
 - Create a file 3.txt. Enter your roll no into it. (Hint: Use cat or vi)
 - Exit from your ssh session.
 - Secure copy the file 3.txt to your local machine.
 - Append your Name to the file. Then secure copy it back to your IIIT web account.
4. Create a file 4.txt using vi editor and write one line in it. Save and close the file. Append another line to the same file.
5. Create a file 5a.txt. Enter one line into it. Cat files 5a.txt and 5b.txt (non existing file) Redirect the output to file 5o.txt and error message to a file called 5e.txt
6. Create a file 6a.txt with 20 lines in it. The contents of each line should be the line number. Copy line number 7 to 15 into another file 6b.txt.
7. Split the file 6a.txt created above into two halves.
8. Sort the file 6a.txt created on question 6 in reverse order and redirect the output into a file 8.txt

9. Find the 5 largest files in your current working directory. Print only their Names, Size and Timestamps into a file 9.txt
10. List all the files in the current folder on the output screen and also in a file named 10.txt without using redirection operator.
11. Convert all the contents 10.txt to upper case and output to file 11.txt
12. List all the files containing the string passwd in their filenames on your system
13. Create a tar of all the files in your current folder from the terminal.