

Department of Computer Science and Engineering, IIT Kanpur

CS251: Computing Laboratory-I

Semester - I (2013 - 2014)

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02/08/2013: Assignment 0: Practice basic linux shell commands and editors - vim and emacs (not to be graded)

Part-1: Shell Script

1. bash/ksh/csh shells
2. Basic commands and utilities such as navigate file system, copy-paste, ssh remote login etc.
3. [vim reference](#) (but not restricted to only this)

Part-2: vim/Emacs editors

1. Prerequisites: Linux/Unix platforms, although Emacs comes for windows, but windows is not preferred in your curriculum.
2. vim reference: http://www.oregonwebradio.net/backup_fedora/tutorials/vim_li/quickstart.html
3. [emacs reference](#) (but not restricted to only this)

02/08/2013: Practice bash commands

Part1:

Write mmv : multiple move command as discussed in the class. You can define your own syntax to move multiple files or directory in designated directory

Hint: Please explore the "mv" command options, make it suitable for accepting multiple "mv" commands in at once. A sample input to this command can be multiple files with directory names, task is to copy specified files in appropriate directory as specified with options in mmv command.

Part2:

Sample Input file

The quick brown fox jumps over the lazy dog.
(12*34)/((567+347)-123)
complab2013@iitk.ac.in
ls
chmod
dexter.txt /home/Document/Lab2 Testing 124 Testing 124

Download sample input file [here](#)

Instructions

Create file lab2.txt in Document

if simple sentence -- reverse case
if mail address -- send mail preferably or print "msg sent to the \$mailaddress"
if arithmetic expression -- evaluate it and print it's sol.
if ls -- print all files and directories in /Document
if chmod -- print the permission of lab2.txt in hexadecimal format and change it to 777
if file name, path and text given -- create file at the given address and insert given text in that file print "Created", if file already exist print "Replaced" and replace it with new text

there can be any number of such arguments and in random order.

You have to write a bash automation script which perform above defined operation and write it into an output file.

Download sample input file [here](#)