Linux Fundamentals Assignment

//creating directories

//assuming we are in home directory

mkdir MyDir

mkdir newdir

mkdir Temp

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| --- | --- | --- |
| Question | Command | Comments& Assumptions |
| 1 | ls [a-z][0-9]\*.[co] | assuming 0 or more characters are after first two characters |
| 2 | ls 9\* | assuming 0 or more characters are after first two characters |
| 3 | ls –a | Assuming we are in home directory |
| 4 | touch file.txt file1.txt  cp –R \* newdir  mv MyDir MyNewDirectory  cd temp  touch c1.tmp c2.tmp  cd ../MyNewDirectory  mv \*.tmp ../Temp  rm –R ../Temp  cd | //creating new files in home directory  a)//copy files in home to newdir(files under all directories under home)  b)//rename MyDir  //move to temp directory  //create files under temp  //move to MyNewDirectory  c)//move .tmp files to temp  (we are in MyNewDirectory)  d)//remove files in Temp(assuming we are in MyNewDirectory)  e)//move back to home directory |
| 5 | vi test1  i  This is a sample test file one  Esc :wq  vi test2  i  This is a sample test file two  Esc :wq  cat test1>test2  cat test1>>test2 | //create test1  //press i to go to insert mode  //type in editor  //save and quit file and return to command prompt  //create test2  //press i to go to insert mode  //type in editor  //save and quit file and return to command prompt  a) (o/p : This is a sample test file one) //overwritten in test2  b)(o/p :This is a sample test file one  This is a sample test file one) //append to test2 |
| 6 | i. chmod u+x g+w o+wx  chmod 777  ii. chmod u-w g-x o-r  chmod 440  iii. chmod u-rw g-rx o-r  chmod 000  iv. chmod u-rw g-x  chmod 044 |  |
| 7 | i.) Any one character between A-Z in uppercase, followed by any four characters,followed by 0 or more characters  ii.) 0 or more characters ,followed by 1 digit between 0-9 ,followed by 0 or more characters  iii.) 0 or more characters ,followed by any one character which is not a digit between 0-9  iv.) 0 or more characters,followed by . and followed by one character which is not lower case s, followed by one character which is not lower case h. | //can have \*.hs but not \*.sh |
| 8 | ls>directorycontents | //creates directorycontents and stores contents of ls there  //can use  cat directorycontents  //to display contents in directorycontents |
| 9 | inquiry0<numbers  numbers1>>temporary 2>>errorlog | get input(0< for input)  append output(1>>) to temporary or error(2>>) to errolog |
| 10 | echo “There are `ls|wc –l` number of files in the directory `pwd`” | displays output of commands within the ` ` and prints the rest |