

Shell Script Assignment

1. Practice all the below mentioned commands with all possible options cd, cat, ls, ln, dir, mkdir, rmdir, pwd, mv, cp, rm, ps, kill and jobs
2. Enter the two commands echo * and ls? What do you think echo did?
3. Enter the commands echo "\$SHELL" and echo '\$SHELL'. What difference do you notice?
4. Which ls option is used to display only directories in a directory?
5. How will you obtain a complete listing of all files and directories in the whole System?
6. What does cd do when used without arguments?
7. Redirect the standard error so as to append it to a file myerror.txt
8. Set the permissions of any one of your files to have all permissions for yourself, read and execute permissions for your group and only execute permissions for others. Also set the sticky bit and the group id permissions for the same using symbols as well as the absolute method.
9. What command lists the lines in the file "testfile.txt" containing the word "file", with a line number at the beginning of each line? (Hint: There could be 2 answers, One answer with UNIX pipe and another without UNIX pipe)
10. What command lists the lines containing the word "file" in the files "lab1", "lab1a", and "lab1b" on your screen using single command?
11. Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another
12. write a shell script which deletes all lines containing the word "test", files supplied as arguments to this shell script
13. Develop a shell script to compare two numbers and print the largest, Give the numbers from the command line
14. Develop a shell script which prints a no (1 to 10) in words (2 – two) using case construct
15. Develop a shell script for adding two given numbers using functions construct. Two numbers are given as arguments to the function
16. What is the use of PATH variable?
17. Practice all the below mentioned commands with all possible options chmod, find, head, more, tail, & chgrp
18. Write a shell script to find whether the given number is
 1. Even or Odd

2. Prime number or not
3. Palindrome or not
4. Armstrong number or not
19. Write a shell script to find Factorial of a number.
20. Write a shell script to print all the prime numbers in given range.
21. Write a shell script to print month name if month number is given.
22. Write a shell script for calculator with minimum functionalities (add , sub, mul, div)
23. Create hardlink and softlink for a file and note the differences between those links.
24. Write a shell script which receives 2 file names as arguments. It should check whether the two files contents are same or not.
25. Write a shell script to generate all combinations of 1,2 and 3 using for loops.