Operating System Lab
Spring 2023
Assignment 1
Due date 21,02,2023

1. What kind of shells exist in Linux / UNIX? Differentiate and explain about all existing shells in Linux / UNIX. Recommend any one shell that you are currently using and reason of your choice.
2. Explore all the directories under root (/) in Linux/UNIX hierarchy. Write name of these directories and explain what kind of files contain in these directories.
3. Explore manual pages via "man" command for the following set of commands. You must find out and use at least 5 options per command. Describe the basic usage of command, usage of command with that particular option, implement it and paste the screenshot of it.

1. Ls:
2. Ls -L:
3. Ls -I:
4. Ls -x:
5. Ls -s:
6. Pwd:
7. Pwd -L:
8. Pwd -P:
9. Pwd –-help:
10. Cat:
11. Cat file1.txt:
12. Cat file1.txt -n:
13. Cat file1.txt -E:
14. Cat file1.txt -s:
15. Touch file3.txt:
16. Touch -d 10:40 file3.txt:
17. Touch –-help:
18. Touch -am file3.txt:
19. Touch -c file3.txt:
20. Cp file3.txt test1:
21. Cp -R test1 test2:
22. Cp -b file1.txt file4.txt:

23. Cp –-help:
24. Cp -p file1.txt file5.txt:
25. Mv file5.txt test1:
26. Mv test3 ../:
27. Mv -I file1.txt file4.txt
28. Mv -b file1.txt file5.txt:
29. Mv –help:
30. Mkdir newfl:
31. Mkdir -m 777 allnew:
32. Mkdir -p food/fruit/mango:
33. Mkdir –-help:
34. Mkdir -v -p dir1/dir2/dir3:
35. Rmdir newfl:
36. Rmdir dir/subdir:
37. Rmdir -p dir/subdir:
38. Rmdir –-help:
39. Rm file5.txt:
40. Rm *:
41. Rm -I *:
42. Rm -r food:
43. Rm –-help:
44. Echo my name is syedmujtabahassanrizvi:
45. Echo -e "my \nname \nis \nsyedmujtabahassanrizvi
46. Echo -e "my \tname \tis \tsyedmujtabahassanrizvi
47. Echo -e "my name is \asyedmujtabahassanrizvi
48. Echo *:

Note: Make sure your name and roll number are visible on the cmd. Otherwise your assignment will not consider.
Plagiarism in any work (Quiz, Assignment, Midterms, and Final Exam)
from any source, Internet or a Student may result in F grade or deduction of absolute marks.