**Operating System LAB - 01**

**5.**

who > myfile1 | less myfile1 or who > myfile1 | more myfile1

**6.**

who > myfile2 | (date ; more myfile2)

**7.**

sed -E 's/(\S+)\s+(\S+)/\2 \1/' myfile

where **(\S+)** \ s+ **(\S+)** . Means either first **(\S+)** and one character plus (s+) **(\S+)** will be replaced \2 to \1 .

or

echo "Enter your filename"

read filename

sed -E "s/(\S+)\s+(\S+)/\2\1/" $filename

or

sed -E "s/(\S+)\s+(\S+)/\2\ \1/" $filename

{ai khane space ashbe}

**8.**

- cat > myfile.sh

echo “\HELLO WORLD”

sh myfile.sh

which prints \HELLO WORLD.

* cat > myfile.c

#include<stdio.h>

* 1. int main()
  2. {
  3. printf(“HELLO WORLD!\n”);
  4. return 0;
  5. }
  6. gcc myfile.c -o myfile
  7. ./myfile
  8. Prints

HELLO WORLD!

(time)

* @  time gcc myfile.c -o myfile
* real 0m0.051s
* user 0m0.034s
* sys 0m0.018s
* @  time sh script.sh

or time ./myfile

both just prints. Running time almost same.

* @  time sh script.sh
* real 0m0.002s
* user 0m0.001s
* sys 0m0.002s
* @  time ./myfile
* real 0m0.002s
* user 0m0.000s
* sys 0m0.002s

1. 9.
2. echo "Enter your filename"
3. **read** filename
4. if test -f $filename
5. **then** echo "This is file!"
6. elif test -d $filename
7. **then** echo "This is directory!"
8. **else**
9. echo "File doesn't exits!"
10. fi


14. 10.
15. echo -n "Enter your filename"
16. **read** filename
17. if [ ! -f $filename]
18. **then** echo "File doesn't exits"
19. exit 1
20. fi
21. command
22. tr '[a-z]' '[A-Z]' < $filename

25. 11.
26. echo "Enter your user Name ?"
27. **read** user
28. **last** $user

31. 12.
32. echo -n "Enter your filename"
33. **read** filename
34. echo "Enter the starting line?"
35. **read** starting
36. echo "Enter the ending line?"
37. **read** ending
38. sed -n $starting,$ending\p $filename
39. sed -n "$starting, $ending p" $filename
40. or
41. sed -n $starting,$ending\p $filename | cat > newfile
42. more newfile
44. 13.
45. echo -n "Enter your filename"
46. **read** filename
47. echo "Enter your pattern"
48. **read** pattern
49. sed -i "/$pattern/d" $filename
51. or
52. sed -i "/$pattern/d" $filename | cat > newfile
53. more newfile
55. {-i kaj na krle baad; mane hocce case-**insensitive**}
57. 14.a
59. echo "Enter a String"
60. **read** string
61. echo "Enter sub-string starting point to cut?"
62. **read** spoint
63. echo "Enter sub-string length?"
64. **read** length
65. echo {string:spoint:length}
67. 14.b
68. echo "Enter a String"
69. **read** string
70. echo ${#string}

73. THE **END**