

# OPERATING SYSTEM

## LAB-01

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2019103562

### **EXPLORING LINUX COMMANDS:**

```
centos8-linux login: s2019103562
Password:
Last login: Sat Feb 20 20:30:00 from 10.1.1.102
[s2019103562@centos8-linux Mon Feb 22 08:47 AM ~]$ pwd
/home/s2019103562
[s2019103562@centos8-linux Mon Feb 22 08:49 AM ~]$ mkdir lab01
[s2019103562@centos8-linux Mon Feb 22 08:49 AM ~]$ cd lab01
[s2019103562@centos8-linux Mon Feb 22 08:50 AM lab01]$ pwd
/home/s2019103562/lab01
[s2019103562@centos8-linux Mon Feb 22 08:50 AM lab01]$ vim lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 08:51 AM lab01]$ cat lab1pract.c
#include<stdio.h>
void main(){
    printf("Lab01");
}

[s2019103562@centos8-linux Mon Feb 22 08:52 AM lab01]$ history
 1  sqlplus
 2  exit
 3  pwd
 4  mkdir lab01
 5  cd lab01
 6  pwd
 7  vim lab1pract.c
 8  cat lab1pract.c
 9  history
[s2019103562@centos8-linux Mon Feb 22 08:52 AM lab01]$
```

### COMMANDS USED:

- Pwd
- Mkdir
- Cd
- Vim
- Cat
- History

```

[s2019103562@centos8-linux Mon Feb 22 08:52 AM lab01]$ wc lab1pract.c
 5  5 52 lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 08:54 AM lab01]$ free
              total        used        free      shared  buff/cache   available
Mem:      131387036      7168556      31051476      4074868      93167004      119140092
Swap:      4194300       247296       3947004
[s2019103562@centos8-linux Mon Feb 22 08:55 AM lab01]$ stat lab1pract.c
  File: lab1pract.c
  Size: 52          Blocks: 8          IO Block: 4096   regular file
Device: fd02h/64770d Inode: 8053472320 Links: 1
Access: (0644/-rw-r--r--)  Uid: ( 1226/s2019103562)   Gid: ( 1006/ rusa1s)
Access: 2021-02-22 08:52:03.816303300 +0530
Modify: 2021-02-22 08:51:13.016102030 +0530
Change: 2021-02-22 08:51:13.016102030 +0530
 Birth: -
[s2019103562@centos8-linux Mon Feb 22 08:55 AM lab01]$ file lab1pract.c
lab1pract.c: C source, ASCII text
[s2019103562@centos8-linux Mon Feb 22 08:55 AM lab01]$ ls
lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 08:58 AM lab01]$ ls -a
.  .. lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 08:58 AM lab01]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 08:58 AM ~]$ 

```

## COMMANDS USED:

- Free
- Wc
- Stat
- File
- Ls
- Ls -a
- Cd ..

```

[s2019103562@centos8-linux Mon Feb 22 09:00 AM lab01]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 09:00 AM ~]$ cd lab01
[s2019103562@centos8-linux Mon Feb 22 09:00 AM lab01]$ vim lab1a.c
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ rm lab1a.c
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ ls
lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ mkdir lab02
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ ls
lab02 lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ rmdir lab02
[s2019103562@centos8-linux Mon Feb 22 09:01 AM lab01]$ ls
lab1pract.c

```

## COMMANDS USED:

- Rm
- rmdir

```
[s2019103562@centos8-linux Mon Feb 22 09:05 AM lab01]$ vim 1a.txt
[s2019103562@centos8-linux Mon Feb 22 09:06 AM lab01]$ vim 1b.txt
[s2019103562@centos8-linux Mon Feb 22 09:06 AM lab01]$ vim 1c.txt
[s2019103562@centos8-linux Mon Feb 22 09:06 AM lab01]$ rm 1c.txt
[s2019103562@centos8-linux Mon Feb 22 09:06 AM lab01]$ vim 1c.txt
[s2019103562@centos8-linux Mon Feb 22 09:06 AM lab01]$ cat 1a.txt 1b.txt>1c.txt
[s2019103562@centos8-linux Mon Feb 22 09:07 AM lab01]$ cat 1c.txt
Hello,all. This is lab01
of Operating System.
[s2019103562@centos8-linux Mon Feb 22 09:07 AM lab01]$ vim cprob.c
[s2019103562@centos8-linux Mon Feb 22 09:10 AM lab01]$ head cprob.c
#include<stdio.h>
void main(){
    int a=1;
    int b=2;
    int c=4;
    printf("Sum:");
    printf("%d\n",a+b);
    printf("Difference:");
    printf("%d\n",a-b);
    printf("Multiplication:");
[s2019103562@centos8-linux Mon Feb 22 09:10 AM lab01]$ tail cprob.c
    printf("%d\n",a-b);
    printf("Multiplication:");
    printf("%d\n",a*b);
    printf("Division:");
    printf("%d\n",a/b);
    printf("Modulo:");
    printf("%d\n",a%b);
    printf("This is just a trial program\n");
    printf("Basic arithmetic operations\n");
}
[s2019103562@centos8-linux Mon Feb 22 09:10 AM lab01]$
```

## COMMANDS USED:

- cat(merge files)
- head
- tail

```
[s2019103562@centos8-linux Mon Feb 22 09:14 AM lab01]$ mv cprob.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$ ls
1a.txt 1b.txt 1c.txt lab1pract.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$ cp sample.c sample2.c
[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$ ls
1a.txt 1b.txt 1c.txt lab1pract.c sample2.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$ cat sample2.c
#include<stdio.h>
void main(){
    int a=1;
    int b=2;
    int c=4;
    printf("Sum:");
    printf("%d\n",a+b);
    printf("Difference:");
    printf("%d\n",a-b);
    printf("Multiplication:");
    printf("%d\n",a*b);
    printf("Division:");
    printf("%d\n",a/b);
    printf("Modulo:");
    printf("%d\n",a%b);
    printf("This is just a trial program\n");
    printf("Basic arithmetic operations\n");
}
[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$
```

## COMMANDS USED:

- mv
- cp

CP(1)	User Commands	CP(1)
NAME	cp - copy files and directories	
SYNOPSIS	cp [OPTION]... [-I] SOURCE DEST cp [OPTION]... SOURCE... DIRECTORY cp [OPTION]... -t DIRECTORY SOURCE...	
DESCRIPTION	Copy SOURCE to DEST, or multiple SOURCE(s) to DIRECTORY.  Mandatory arguments to long options are mandatory for short options too.  -a, --archive same as -dR --preserve= <u>all</u>  --attributes-only don't copy the file data, just the attributes  --backup[= <u>CONTROL</u> ] make a backup of each existing destination file  -b     like --backup but does not accept an argument  --copy-contents copy contents of special files when recursive  -d     same as --no-dereference --preserve= <u>links</u>  -f, --force if an existing destination file cannot be opened, remove it and try again (this option is ignored when the -n option is also used)  -i, --interactive prompt before overwrite (overrides a previous -n option)  -H     follow command-line symbolic links in SOURCE	

## COMMAND USED:

- man

```
[s2019103562@centos8-linux Mon Feb 22 02:14 PM lab01]$ ls -l lab1pract.c
-rw-r--r-- 1 s2019103562 rusa1s 52 Feb 22 08:51 lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 02:14 PM lab01]$ chmod u-r lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 02:15 PM lab01]$ chmod u-w lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 02:15 PM lab01]$ ls -l lab1pract.c
----r--r-- 1 s2019103562 rusa1s 52 Feb 22 08:51 lab1pract.c
[s2019103562@centos8-linux Mon Feb 22 02:15 PM lab01]$ echo String inserted>>empt.txt
[s2019103562@centos8-linux Mon Feb 22 02:16 PM lab01]$ cat empt.txt
Hello
String inserted
```

## COMMAND USED:

- Chmod
- echo

Next: rm invocation, Prev: install invocation, Up: Basic operations

#### 11.4 'mv': Move (rename) files

=====

'mv' moves or renames files (or directories). Synopses:

```
mv [OPTION]... [-T] SOURCE DEST
mv [OPTION]... SOURCE... DIRECTORY
mv [OPTION]... -t DIRECTORY SOURCE...
```

- If two file names are given, 'mv' moves the first file to the second.
- If the '--target-directory' ('-t') option is given, or failing that if the last file is a directory and the '--no-target-directory' ('-T') option is not given, 'mv' moves each SOURCE file to the specified directory, using the SOURCES' names.

'mv' can move any type of file from one file system to another. Prior to version '4.0' of the fileutils, 'mv' could move only regular files between file systems. For example, now 'mv' can move an entire directory hierarchy including special device files from one partition to another. It first uses some of the same code that's used by 'cp -a' to copy the requested directories and files, then (assuming the copy succeeded) it removes the originals. If the copy fails, then the part that was copied to the destination partition is removed. If you were to copy three directories from one partition to another and the copy of the first directory succeeded, but the second didn't, the first would be left on the destination partition and the second and third would be left on the original partition.

'mv' always tries to copy extended attributes (xattr), which may include SELinux context, ACLs or Capabilities. Upon failure all but 'Operation not supported' warnings are output.

If a destination file exists but is normally unwritable, standard input is a terminal, and the '-f' or '--force' option is not given, 'mv'

```
-----Info: (coreutils)mv invocation, 123 lines --Top-----
Welcome to Info version 6.5. Type H for help, h for tutorial.
```

## COMMAND USED:

➤ info

```

[s2019103562@centos8-linux Mon Feb 22 09:16 AM lab01]$ man cp
[s2019103562@centos8-linux Mon Feb 22 09:18 AM lab01]$ mkdir lab02
[s2019103562@centos8-linux Mon Feb 22 09:19 AM lab01]$ cd lab02
[s2019103562@centos8-linux Mon Feb 22 09:19 AM lab02]$ pwd
/home/s2019103562/lab01/lab02
[s2019103562@centos8-linux Mon Feb 22 09:19 AM lab02]$ vim example.c
[s2019103562@centos8-linux Mon Feb 22 09:21 AM lab02]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 09:21 AM lab01]$ rm-r lab02
bash: rm-r: command not found...
[s2019103562@centos8-linux Mon Feb 22 09:21 AM lab01]$ rm -r lab02
[s2019103562@centos8-linux Mon Feb 22 09:22 AM lab01]$ ls
1a.txt 1b.txt 1c.txt labipract.c sample2.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:22 AM lab01]$ touch eg.txt
[s2019103562@centos8-linux Mon Feb 22 09:24 AM lab01]$ lss
bash: lss: command not found...
Similar command is: 'ls'
[s2019103562@centos8-linux Mon Feb 22 09:24 AM lab01]$ ls
1a.txt 1b.txt 1c.txt eg.txt labipract.c sample2.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:25 AM lab01]$ info mv
[s2019103562@centos8-linux Mon Feb 22 09:26 AM lab01]$ w
09:27:54 up 19 days, 23:01, 146 users, load average: 0.03, 0.03, 0.07
USER      TTY      FROM          LOGIN@      IDLE        JCPU        PCPU WHAT
s2019103  pts/0    10.1.1.102    07:37       55:06       0.12s       0.12s -bash
s2019103  pts/1    10.1.1.102    09:04       1:30        0.22s       0.13s -bash
s2019103  pts/2    10.1.1.102    08:28       9.00s       0.07s       0.07s -bash
s2019103  pts/3    10.1.1.102    08:24      18.00s       0.21s       0.21s -bash
s2019103  pts/4    10.1.1.102    08:25       1:30        0.15s       0.15s -bash
s2019103  pts/5    10.1.1.102    08:29       3:34        0.04s       0.04s -bash
s2019103  pts/6    10.1.1.102    08:28      34.00s       0.65s       0.43s top
s2019103  pts/7    10.1.1.102    08:36      10.00s       0.19s       0.19s -bash
s2019103  pts/8    10.1.1.102    08:34      27:14        0.07s       0.07s -bash
s2019103  pts/9    10.1.1.102    08:32       2.00s       0.36s       0.36s -bash
s2019103  pts/11   10.1.1.102    08:30       2:17        0.20s       0.20s -bash
s2019103  pts/13   10.1.1.102    08:40      31:52        0.01s       0.01s -bash
s2019103  pts/14   10.1.1.102    08:33      54:46        0.01s       0.01s -bash
s2019103  pts/15   10.1.1.102    08:56       8.00s       0.13s       0.03s vim
s2019103  pts/16   10.1.1.102    09:08       1.00s       0.03s       0.03s -bash
s2019103  pts/18   10.1.1.102    08:51      18.00s       0.21s       0.21s -bash
s2019103  pts/19   10.1.1.102    09:19       4:43        0.04s       0.04s -bash
s2019103  pts/21   10.1.1.102    08:37      17.00s       0.09s       0.09s -bash

```

## COMMANDS USED:

- man
- rm -r
- w
- touch
- info

s2019103	pts/14	10.1.1.102	08:33	54:46	0.01s	0.01s	-bash
s2019103	pts/15	10.1.1.102	08:56	8.00s	0.13s	0.03s	vim
s2019103	pts/16	10.1.1.102	09:08	1.00s	0.03s	0.03s	-bash
s2019103	pts/18	10.1.1.102	08:51	18.00s	0.21s	0.21s	-bash
s2019103	pts/19	10.1.1.102	09:19	4:43	0.04s	0.04s	-bash
s2019103	pts/21	10.1.1.102	08:37	17.00s	0.09s	0.09s	-bash
s2019103	pts/22	10.1.1.102	08:42	42:23	0.04s	0.03s	sqlplus
s2019103	pts/23	10.1.1.102	08:46	2.00s	0.06s	0.06s	-bash
s2019103	pts/24	10.1.1.102	08:46	2.00s	0.15s	0.01s	vim file01.txt
s2019103	pts/25	10.1.1.102	08:46	10.00s	0.13s	0.13s	-bash
s2019103	pts/27	10.1.1.102	08:48	2:49	0.07s	0.07s	-bash
s2019103	pts/28	10.1.1.102	08:52	42.00s	0.22s	0.22s	-bash
s2019103	pts/29	10.1.1.102	08:47	8:50	0.13s	0.13s	-bash
s2019103	pts/30	10.1.1.102	08:49	1.00s	0.11s	0.11s	-bash
s2019103	pts/31	10.1.1.102	08:46	1:53	0.17s	0.17s	-bash
s2019103	pts/32	10.1.1.102	08:47	1.00s	0.16s	0.01s	w
s2019103	pts/33	10.1.1.102	09:20	17.00s	0.04s	0.00s	vim Third.txt
s2019103	pts/34	10.1.1.102	08:51	56.00s	0.10s	0.00s	less
s2019103	pts/35	10.1.1.102	08:48	2:22	0.12s	0.12s	-bash
s2019103	pts/36	10.1.1.102	09:21	58.00s	0.05s	0.04s	vim pro1.c
s2019103	pts/37	10.1.1.102	08:49	1.00s	0.16s	0.16s	-bash
s2019103	pts/38	10.1.1.102	08:49	18.00s	0.11s	0.11s	-bash
s2019103	pts/39	10.1.1.102	08:49	6:34	0.10s	0.10s	-bash
s2019103	pts/40	10.1.1.102	09:00	1:06	0.10s	0.10s	-bash
s2019103	pts/41	10.1.1.102	08:50	41.00s	0.19s	0.19s	-bash
s2019103	pts/42	10.1.1.102	08:49	9.00s	0.26s	0.26s	-bash
s2019103	pts/43	10.1.1.102	08:49	7.00s	0.11s	0.00s	less
s2019103	pts/44	10.1.1.102	08:57	26.00s	0.43s	0.27s	vim f13.c
s2019103	pts/45	10.1.1.102	08:50	9.00s	0.13s	0.13s	-bash
s2019103	pts/47	10.1.1.102	08:58	2.00s	0.20s	0.17s	-bash
s2019103	pts/48	10.1.1.102	08:50	30:10	0.02s	0.02s	-bash
s2019103	pts/49	10.1.1.102	08:50	9.00s	0.10s	0.10s	-bash
s2019103	pts/50	10.1.1.102	08:50	2.00s	0.07s	0.01s	vim file1.txt
s2019103	pts/51	10.1.1.102	08:55	16:10	0.08s	0.08s	-bash
s2019103	pts/52	10.1.1.102	08:53	22.00s	0.07s	0.07s	-bash
s2019103	pts/53	10.1.1.102	08:51	2.00s	0.10s	0.01s	vim tfile
s2019103	pts/54	10.1.1.102	08:51	49.00s	0.26s	0.26s	-bash
s2019103	pts/55	10.1.1.102	08:52	14:42	0.05s	0.05s	-bash
s2019103	pts/56	10.1.1.102	08:52	2.00s	0.10s	0.00s	vim file3.txt
s2019103	pts/57	10.1.1.102	08:53	2.00s	0.17s	0.17s	-bash



```
s2019103 pts/35 10.1.1.102 08:48 2:22 0.12s 0.12s -bash
s2019103 pts/36 10.1.1.102 09:21 58.00s 0.05s 0.04s vim pro1.c
s2019103 pts/37 10.1.1.102 08:49 1.00s 0.16s 0.16s -bash
s2019103 pts/38 10.1.1.102 08:49 18.00s 0.11s 0.11s -bash
s2019103 pts/39 10.1.1.102 08:49 6:34 0.10s 0.10s -bash
s2019103 pts/40 10.1.1.102 09:00 1:06 0.10s 0.10s -bash
s2019103 pts/41 10.1.1.102 08:50 41.00s 0.19s 0.19s -bash
s2019103 pts/42 10.1.1.102 08:49 9.00s 0.26s 0.26s -bash
s2019103 pts/43 10.1.1.102 08:49 7.00s 0.11s 0.00s less
s2019103 pts/44 10.1.1.102 08:57 26.00s 0.43s 0.27s vim f13.c
s2019103 pts/45 10.1.1.102 08:50 9.00s 0.13s 0.13s -bash
s2019103 pts/47 10.1.1.102 08:58 2.00s 0.20s 0.17s -bash
s2019103 pts/48 10.1.1.102 08:50 30:10 0.02s 0.02s -bash
s2019103 pts/49 10.1.1.102 08:50 9.00s 0.10s 0.10s -bash
s2019103 pts/50 10.1.1.102 08:50 2.00s 0.07s 0.01s vim file1.txt
s2019103 pts/51 10.1.1.102 08:55 16:10 0.08s 0.08s -bash
s2019103 pts/52 10.1.1.102 08:53 22.00s 0.07s 0.07s -bash
s2019103 pts/53 10.1.1.102 08:51 2.00s 0.10s 0.01s vim tfile
s2019103 pts/54 10.1.1.102 08:51 49.00s 0.26s 0.26s -bash
s2019103 pts/55 10.1.1.102 08:52 14:42 0.05s 0.05s -bash
s2019103 pts/56 10.1.1.102 08:52 2.00s 0.10s 0.00s vim file3.txt
s2019103 pts/57 10.1.1.102 08:53 2.00s 0.17s 0.17s -bash
s2019103 pts/58 10.1.1.102 08:57 1.00s 0.05s 0.05s -bash
s2019103 pts/60 10.1.1.102 08:54 5.00s 0.13s 0.13s -bash
s2019103 pts/61 10.1.1.102 08:55 4:50 0.13s 0.13s -bash
s2019103 pts/62 10.1.1.102 08:59 0.00s 0.04s 0.04s -bash
s2019103 pts/64 10.1.1.102 08:59 1:38 0.07s 0.07s -bash
s2019103 pts/65 10.1.1.102 08:59 1.00s 0.09s 0.09s -bash
s2019103 pts/66 10.1.1.102 09:15 12:34 0.01s 0.01s -bash
s2019103 pts/67 10.1.1.102 09:17 14.00s 0.06s 0.00s grep --color=auto hello
s2019103 pts/68 10.1.1.102 09:03 1:22 0.14s 0.14s -bash
s2019103 pts/69 10.1.1.102 09:26 26.00s 0.01s 0.01s -bash
s2019103 pts/70 10.1.1.102 09:27 1.00s 0.01s 0.01s -bash
s2019103 pts/26 10.1.1.102 09:11 16:02 0.03s 0.03s -bash
s2019103 pts/10 10.1.1.102 08:29 58:18 0.02s 0.02s -bash
s2019103 pts/17 10.1.1.102 08:42 45:30 0.01s 0.01s -bash
s2019103 pts/20 10.1.1.102 08:57 25:30 0.05s 0.05s -bash
s2019103 pts/59 10.1.1.102 09:23 4:25 0.01s 0.01s -bash
s2019103 pts/63 10.1.1.102 09:24 58.00s 0.03s 0.03s -bash
[s2019103562@centos8-linux Mon Feb 22 09:27 AM lab01]$
```



```
[s2019103562@centos8-linux Mon Feb 22 09:27 AM lab01]$ who
s2019103061 pts/0      2021-02-22 07:37 (10.1.1.102)
s2019103511 pts/1      2021-02-22 09:04 (10.1.1.102)
s2019103049 pts/2      2021-02-22 08:28 (10.1.1.102)
s2019103052 pts/3      2021-02-22 08:24 (10.1.1.102)
s2019103556 pts/4      2021-02-22 08:25 (10.1.1.102)
s2019103022 pts/5      2021-02-22 08:29 (10.1.1.102)
s2019103004 pts/6      2021-02-22 08:28 (10.1.1.102)
s2019103028 pts/7      2021-02-22 08:36 (10.1.1.102)
s2019103529 pts/8      2021-02-22 08:34 (10.1.1.102)
s2019103505 pts/9      2021-02-22 08:32 (10.1.1.102)
s2019103055 pts/11     2021-02-22 08:30 (10.1.1.102)
s2019103611 pts/12     2021-02-22 09:28 (10.1.1.102)
s2019103523 pts/13     2021-02-22 08:40 (10.1.1.102)
s2019103534 pts/14     2021-02-22 08:33 (10.1.1.102)
s2019103535 pts/16     2021-02-22 09:08 (10.1.1.102)
s2019103031 pts/18     2021-02-22 08:51 (10.1.1.102)
s2019103064 pts/19     2021-02-22 09:30 (10.1.1.102)
s2019103016 pts/21     2021-02-22 08:37 (10.1.1.102)
s2019103596 pts/22     2021-02-22 08:42 (10.1.1.102)
s2019103001 pts/23     2021-02-22 08:46 (10.1.1.102)
s2019103061 pts/24     2021-02-22 08:46 (10.1.1.102)
s2019103073 pts/25     2021-02-22 08:46 (10.1.1.102)
s2019103010 pts/27     2021-02-22 08:48 (10.1.1.102)
s2019103502 pts/28     2021-02-22 08:52 (10.1.1.102)
s2019103508 pts/29     2021-02-22 08:47 (10.1.1.102)
s2019103608 pts/30     2021-02-22 08:49 (10.1.1.102)
s2019103553 pts/31     2021-02-22 08:46 (10.1.1.102)
s2019103562 pts/32     2021-02-22 08:47 (10.1.1.102)
s2019103595 pts/33     2021-02-22 09:20 (10.1.1.102)
s2019103592 pts/34     2021-02-22 08:51 (10.1.1.102)
s2019103058 pts/35     2021-02-22 08:48 (10.1.1.102)
s2019103574 pts/36     2021-02-22 09:21 (10.1.1.102)
s2019103568 pts/37     2021-02-22 08:49 (10.1.1.102)
s2019103025 pts/38     2021-02-22 08:49 (10.1.1.102)
s2019103583 pts/39     2021-02-22 08:49 (10.1.1.102)
```

---

COMMAND USED:

➤ who

s2019103589	pts/40	2021-02-22 09:00	(10.1.1.102)
s2019103037	pts/41	2021-02-22 08:50	(10.1.1.102)
s2019103580	pts/42	2021-02-22 08:49	(10.1.1.102)
s2019103541	pts/43	2021-02-22 08:49	(10.1.1.102)
s2019103013	pts/44	2021-02-22 08:57	(10.1.1.102)
s2019103517	pts/45	2021-02-22 08:50	(10.1.1.102)
s2019103565	pts/47	2021-02-22 08:58	(10.1.1.102)
s2019103544	pts/48	2021-02-22 08:50	(10.1.1.102)
s2019103046	pts/49	2021-02-22 08:50	(10.1.1.102)
s2019103043	pts/50	2021-02-22 08:50	(10.1.1.102)
s2019103571	pts/51	2021-02-22 08:55	(10.1.1.102)
s2019103538	pts/52	2021-02-22 08:53	(10.1.1.102)
s2019103532	pts/53	2021-02-22 08:51	(10.1.1.102)
s2019103577	pts/54	2021-02-22 08:51	(10.1.1.102)
s2019103559	pts/55	2021-02-22 08:52	(10.1.1.102)
s2019103605	pts/56	2021-02-22 08:52	(10.1.1.102)
s2019103040	pts/57	2021-02-22 08:53	(10.1.1.102)
s2019103523	pts/58	2021-02-22 08:57	(10.1.1.102)
s2019103514	pts/60	2021-02-22 08:54	(10.1.1.102)
s2019103586	pts/61	2021-02-22 08:55	(10.1.1.102)
s2019103019	pts/62	2021-02-22 08:59	(10.1.1.102)
s2019103070	pts/64	2021-02-22 08:59	(10.1.1.102)
s2019103547	pts/65	2021-02-22 08:59	(10.1.1.102)
s2019103582	pts/66	2021-02-22 09:15	(10.1.1.102)
s2019103064	pts/67	2021-02-22 09:17	(10.1.1.102)
s2019103007	pts/68	2021-02-22 09:03	(10.1.1.102)
s2019103520	pts/69	2021-02-22 09:26	(10.1.1.102)
s2019103526	pts/70	2021-02-22 09:27	(10.1.1.102)
s2019103590	pts/26	2021-02-22 09:11	(10.1.1.102)
s2019103590	pts/10	2021-02-22 08:29	(10.1.1.102)
s2019103071	pts/17	2021-02-22 08:42	(10.1.1.102)
s2019103012	pts/20	2021-02-22 08:57	(10.1.1.102)
s2019103590	pts/59	2021-02-22 09:23	(10.1.1.102)
s2019103012	pts/63	2021-02-22 09:24	(10.1.1.102)

[s2019103562@centos8-linux Mon Feb 22 09:30 AM lab01]\$

```

[s2019103562@centos8-linux Mon Feb 22 09:30 AM lab01]$ whoami
s2019103562
[s2019103562@centos8-linux Mon Feb 22 09:31 AM lab01]$ pwd
/home/s2019103562/lab01
[s2019103562@centos8-linux Mon Feb 22 09:34 AM lab01]$ find home/s2019103562/lab01/ -name 1a.txt
find: 'home/s2019103562/lab01/': No such file or directory
[s2019103562@centos8-linux Mon Feb 22 09:35 AM lab01]$ find home/s2019103562/lab01 -name 1a.txt
find: 'home/s2019103562/lab01': No such file or directory
[s2019103562@centos8-linux Mon Feb 22 09:35 AM lab01]$ find /home/s2019103562/lab01 -name 1a.txt
/home/s2019103562/lab01/1a.txt
[s2019103562@centos8-linux Mon Feb 22 09:37 AM lab01]$ mv 1b.txt 1a.txt
[s2019103562@centos8-linux Mon Feb 22 09:40 AM lab01]$ ls
1a.txt 1c.txt eg.txt lab1pract.c sample2.c sample.c
[s2019103562@centos8-linux Mon Feb 22 09:40 AM lab01]$ cat 1a.txt
of Operating System.
[s2019103562@centos8-linux Mon Feb 22 09:40 AM lab01]$ echo "My username is 2019103562"
My username is 2019103562
[s2019103562@centos8-linux Mon Feb 22 09:43 AM lab01]$ echo $USER
s2019103562
[s2019103562@centos8-linux Mon Feb 22 09:44 AM lab01]$ echo $PATH
/home/s2019103562/.local/bin:/home/s2019103562/bin:/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/usr/lib/oracle/21/client64/bin:/var/lib/snapd/snap/bin
[s2019103562@centos8-linux Mon Feb 22 09:44 AM lab01]$ echo $HOME
/home/s2019103562
[s2019103562@centos8-linux Mon Feb 22 09:44 AM lab01]$ find . -name "sam"
find: paths must precede expression: sample.c
Usage: find [-H] [-L] [-P] [-Olevel] [-D help|tree|search|stat|rates|opt|exec] [path...] [expression]
[s2019103562@centos8-linux Mon Feb 22 09:45 AM lab01]$ finger s2019103562
bash: finger: command not found...
[s2019103562@centos8-linux Mon Feb 22 09:47 AM lab01]$ grep stdio.h *.c*
lab1pract.c:#include<stdio.h>
sample2.c:#include<stdio.h>
sample.c:#include<stdio.h>
[s2019103562@centos8-linux Mon Feb 22 09:48 AM lab01]$ less sample.c
[s2019103562@centos8-linux Mon Feb 22 09:49 AM lab01]$
[s2019103562@centos8-linux Mon Feb 22 09:49 AM lab01]$ ps
  PID TTY          TIME CMD
2111610 pts/32    00:00:00 bash
2130516 pts/32    00:00:00 ps
[s2019103562@centos8-linux Mon Feb 22 09:50 AM lab01]$ █

```

## COMMANDS USED:

- whoami
- find
- echo
- grep
- less
- ps