SPOT EXERCISE

P.PRIYADHARSHINI

2019103562

22-02-2021

1.to know who is logged on to this and other systems

```
[s2019103562@centos8-linux Mon Feb 22 10:27 AM lab01]$ whoami
s2019103562
[s2019103562@centos8-linux Mon Feb 22 10:37 AM lab01]$ who
s2019103061 pts/0        2021-02-22 07:37 (10.1.1.102)
s2019103501 pts/1        2021-02-22 10:29 (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 09:32 (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)
s2019103036 pts/9        2021-02-22 09:59 (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)
s2019103048 pts/14       2021-02-22 10:36 (10.1.1.102)
s2019103031 pts/15       2021-02-22 09:42 (10.1.1.102)
s2019103535 pts/16       2021-02-22 09:08 (10.1.1.102)
s2019103564 pts/18       2021-02-22 10:30 (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)
s2018103509 pts/22       2021-02-22 10:33 (10.1.1.102)
s2019103580 pts/23       2021-02-22 10:22 (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)
s2019103550 pts/27       2021-02-22 10:01 (10.1.1.102)
s2019103505 pts/28       2021-02-22 10:18 (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)
s2019103574 pts/31       2021-02-22 09:49 (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)
s2019103594 pts/36       2021-02-22 10:04 (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)
s2019103589 pts/40       2021-02-22 09:00 (10.1.1.102)
```

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s2019103037  pts/41        2021-02-22 08:50  (10.1.1.102)
s2019103610  pts/42        2021-02-22 10:25  (10.1.1.102)
s2019103039  pts/43        2021-02-22 10:03  (10.1.1.102)
s2019103517  pts/45        2021-02-22 08:50  (10.1.1.102)
s2019103607  pts/46        2021-02-22 09:31  (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)
s2019103526  pts/51        2021-02-22 10:15  (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)
s2019103528  pts/57        2021-02-22 10:26  (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)
s2019103603  pts/64        2021-02-22 10:09  (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)
s2019103604  pts/67        2021-02-22 09:51  (10.1.1.102)
s2019103573  pts/68        2021-02-22 10:02  (10.1.1.102)
s2019103540  pts/69        2021-02-22 10:25  (10.1.1.102)
s2019103027  pts/70        2021-02-22 10:25  (10.1.1.102)
s2019103024  pts/71        2021-02-22 10:28  (10.1.1.102)
s2019103553  pts/72        2021-02-22 09:51  (10.1.1.102)
s2019103001  pts/73        2021-02-22 09:52  (10.1.1.102)
s2019103069  pts/74        2021-02-22 10:02  (10.1.1.102)
s2019103010  pts/75        2021-02-22 10:11  (10.1.1.102)
s2019103054  pts/76        2021-02-22 10:02  (10.1.1.102)
s2019103579  pts/77        2021-02-22 10:02  (10.1.1.102)
s2019103513  pts/78        2021-02-22 10:02  (10.1.1.102)
s2019103051  pts/79        2021-02-22 10:03  (10.1.1.102)
s2019103552  pts/80        2021-02-22 10:36  (10.1.1.102)
s2019103006  pts/81        2021-02-22 10:27  (10.1.1.102)
s2019103057  pts/82        2021-02-22 10:25  (10.1.1.102)
```

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s2019103006 pts/81          2021-02-22 10:27 (10.1.1.102)
s2019103057 pts/82          2021-02-22 10:25 (10.1.1.102)
s2019103549 pts/83          2021-02-22 10:33 (10.1.1.102)
s2019103597 pts/85          2021-02-22 10:25 (10.1.1.102)
s2019103600 pts/86          2021-02-22 10:32 (10.1.1.102)
s2019103558 pts/87          2021-02-22 10:25 (10.1.1.102)
s2019103507 pts/88          2021-02-22 10:25 (10.1.1.102)
s2019103576 pts/89          2021-02-22 10:25 (10.1.1.102)
s2019103510 pts/90          2021-02-22 10:25 (10.1.1.102)
s2019103040 pts/91          2021-02-22 10:25 (10.1.1.102)
s2019103060 pts/92          2021-02-22 10:25 (10.1.1.102)
s2019103516 pts/93          2021-02-22 10:28 (10.1.1.102)
s2019103009 pts/95          2021-02-22 10:26 (10.1.1.102)
s2019103504 pts/97          2021-02-22 10:26 (10.1.1.102)
s2019103537 pts/98          2021-02-22 10:26 (10.1.1.102)
s2019103030 pts/99          2021-02-22 10:26 (10.1.1.102)
s2019103003 pts/106         2021-02-22 10:29 (10.1.1.102)
s2019103531 pts/111         2021-02-22 10:29 (10.1.1.102)
s2019103522 pts/118         2021-02-22 10:37 (10.1.1.102)
s2019103033 pts/107         2021-02-22 10:28 (10.1.1.102)
s2019103588 pts/105         2021-02-22 10:29 (10.1.1.102)
s2019103015 pts/108         2021-02-22 10:28 (10.1.1.102)
s2019103567 pts/116         2021-02-22 10:36 (10.1.1.102)
s2019103520 pts/113         2021-02-22 10:31 (10.1.1.102)
s2019103585 pts/109         2021-02-22 10:29 (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)
s2019103561 pts/96          2021-02-22 10:25 (10.1.1.102)
s2019103045 pts/104         2021-02-22 10:26 (10.1.1.102)
s2019103063 pts/84          2021-02-22 10:33 (10.1.1.102)
[s2019103562@centos8-linux Mon Feb 22 10:37 AM lab01]$
```

2.to learn details about a particular command

Man command

```
CP(1)                                        User Commands                                        CP(1)

NAME
       cp - copy files and directories

SYNOPSIS
       cp [OPTION]... [-T] 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=all

       --attributes-only
              don't copy the file data, just the attributes

       --backup[=CONTROL]
              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=links

       -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

Manual page cp(1) line 1 (press h for help or q to quit)
```

3.to list the last 6 lines of a file

```
[s2019103562@centos8-linux Mon Feb 22 10:37 AM lab01]$ man cp
[s2019103562@centos8-linux Mon Feb 22 10:42 AM lab01]$ tail -n 6 sample2.c
        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 10:43 AM lab01]$
```

4.to delete directories and their contents

```
[s2019103562@centos8-linux Mon Feb 22 10:44 AM lab01]$ ls
1a.txt  1c.txt  eg.txt  lab02  lab1pract.c  sample2.c  sample.c  samp.txt
[s2019103562@centos8-linux Mon Feb 22 10:44 AM lab01]$ rmdir lab02
[s2019103562@centos8-linux Mon Feb 22 10:44 AM lab01]$ ls
1a.txt  1c.txt  eg.txt  lab1pract.c  sample2.c  sample.c  samp.txt
[s2019103562@centos8-linux Mon Feb 22 10:44 AM lab01]$
```

5.to create a blank new file

```
[s2019103562@centos8-linux Mon Feb 22 10:47 AM lab01]$ touch test.txt
[s2019103562@centos8-linux Mon Feb 22 10:47 AM lab01]$ ls
1a.txt  1c.txt  eg.txt  lab1pract.c  sample2.c  sample.c  samp.txt  test.txt
[s2019103562@centos8-linux Mon Feb 22 10:47 AM lab01]$ cat test.txt
[s2019103562@centos8-linux Mon Feb 22 10:47 AM lab01]$
```

6.to display the list of running process and their resource usage

```
[s2019103562@centos8-linux Mon Feb 22 10:47 AM lab01]$ ps
    PID TTY          TIME CMD
2111610 pts/32   00:00:00 bash
2135408 pts/32   00:00:00 last
2151102 pts/32   00:00:00 ps
[s2019103562@centos8-linux Mon Feb 22 10:48 AM lab01]$
```

7.to move a file from your current working directory to root

```
[s2019103562@centos8-linux Mon Feb 22 11:43 AM lab05]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab04]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab03]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab02]$ cd ..
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab01]$ cd lab02
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab02]$ cd lab03
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab03]$ cd lab04
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab04]$ cd lab05
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab05]$ mv hlo.txt /lab04
mv: cannot create regular file '/lab04': Permission denied
[s2019103562@centos8-linux Mon Feb 22 11:44 AM lab05]$
```

8.to move information from command line to a file

```
[s2019103562@centos8-linux Mon Feb 22 11:04 AM lab01]$ touch empt.txt
[s2019103562@centos8-linux Mon Feb 22 11:04 AM lab01]$ echo Hello>>empt.txt
[s2019103562@centos8-linux Mon Feb 22 11:05 AM lab01]$ cat empt.txt
Hello
[s2019103562@centos8-linux Mon Feb 22 11:05 AM lab01]$
```

9.to check the connectivity of a server

```
[s2019103562@centos8-linux Mon Feb 22 10:57 AM lab05]$ ping google.com
PING google.com (172.217.31.206) 56(84) bytes of data.
```

10. To change a file's mode to read, write and executable mode.

```
s2019103562@centos8-linux Mon Feb 22 11:13 AM lab01]$ ls -l sample2.c
-rw-r--r-- 1 s2019103562 rusals 364 Feb 22 09:16 sample2.c
s2019103562@centos8-linux Mon Feb 22 11:14 AM lab01]$ chmod u-r sample2.c
s2019103562@centos8-linux Mon Feb 22 11:14 AM lab01]$ chmod u-w sample2.c
s2019103562@centos8-linux Mon Feb 22 11:15 AM lab01]$ ls -l sample2.c
----r--r-- 1 s2019103562 rusals 364 Feb 22 09:16 sample2.c
s2019103562@centos8-linux Mon Feb 22 11:15 AM lab01]$
```