Lab 04 Tasks

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Task 1:

Task 2:

```
student@student-virtual-machine:-/books$ mkdir physics
student@student-virtual-machine:-/books$ cd physics
student@student-virtual-machine:-/books/physics$ mkdir nuclear
student@student-virtual-machine:-/books/physics$ cd nuclear
student@student-virtual-machine:-/books/physics/nuclear$ cd
student@student-virtual-machine:-/books$ cp at-notes.txt physics/nuclear
student@student-virtual-machine:-/books$ cd physics/nuclear
student@student-virtual-machine:-/books$ cd physics/nuclear$ ls
at-notes.txt
student@student-virtual-machine:-/books/physics/nuclear$
```

Task 3(1):

```
student@student-virtual-machine:~$ chmod u-w result.comp
student@student-virtual-machine:~S ls-l
ls-l: command not found
student@student-virtual-machine:~$ ls -l
total 120
drwxrwxr-x 3 student student
                              4096 13:52 12
                                             book1 ستمبر
drwxrwxr-x 3 student student
                                             books ستمبر
                              4096 14:44 12
drwxrwxr-x 6 student student
                              4096 14:52 5
                                             Books ستمبر
rw-rw-r-- 1 student student
                                 6 13:26 12
                                             cats.txt ستمبر
drwxr-xr-x 2 student student
                              4096 10:21 13
                                              Desktop
                                              Documents اگست
drwxr-xr-x 2 student student
                              4096 10:21 13
                                              Downloads
drwxr-xr-x 3 student student
                              4096 11:23 26
rw-rw-r-- 1 student student
                                26 09:19 10
                                             file ستمير
rw-rw-r-- 1 student student
                                18 09:30 10
                                             file1 ستمبر
r-x-wxrw- 1 student student
                                16 13:28 12
                                             filee.txt ستمبر
rw-rw-r-- 1 student student
                                16 13:34 12
                                             files1.txt ستمبر
rw-rw-r-- 1 student student
                                38 13:25 12
                                             file.txt ستمبر
drwxrwxr-x 2 student student
                              4096 13:43 5
                                             Lab ستمبر
                                             labsort ستمبر
rw-rw-r-- 1 student student
                                88 09:03 3
drwxr-xr-x 2 student student
                                              Music اگست
                              4096 10:21 13
rw-rw-r-- 1 student student
                               107 09:11 3
                                             newFile ستمبر
                                             05 ستمبر
drwxrwxr-x 2 student student
                              4096 13:42 5
drwxr-xr-x 3 student student
                              4096 15:03 5
                                             Pictures ستمبر
drwxr-xr-x 2 student student
                                              Public اگست
                              4096 10:21 13
drwxrwxr-x 2 student student
                              4096 13:43 5
                                             Outz ستمبر
r--rw-r-- 1 student student
                                 7 14:54 12
                                             result.comp ستمبر
rwxrwxr-x 1 student student 16384 10:10 3
                                             samreen ستمير
drwxrwxr-x 2 student student
                              4096 10:34 27
                                              Samreen اگست
rwxrwxrwx 1 student student
                                71 10:09 3
                                              samreen.cpp ستمير
                              4096 11:23 26
drwx----- 4 student student
                                              snap
                                              Templates
drwxr-xr-x 2 student student
                              4096 10:21 13
                                              Videos اگست
drwxr-xr-x 2 student student
                              4096 10:21 13
student@student-virtual-machine:~S
```

Task 3(2):

```
student@student-virtual-machine:~$ chmod go+x stock.txt
student@student-virtual-machine:~$ ls -l
total 124
drwxrwxr-x 3 student student
                               4096 13:52 12
                                              book1 ستمبر
drwxrwxr-x 3 student student
                               4096 14:44 12
                                              books ستمير
drwxrwxr-x 6 student student
                               4096 14:52 5
                                              Books ستمبر
-rw-rw-r-- 1 student student
                                  6 13:26 12
                                              cats.txt ستمبر
                                               Desktop اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
drwxr-xr-x 2 student student
                               4096 10:21 13
                                               Documents اگست
                                               Downloads اگست
drwxr-xr-x 3 student student
                               4096 11:23 26
-rw-rw-r-- 1 student student
                                 26 09:19 10
                                              file ستمبر
-rw-rw-r-- 1 student student
                                 18 09:30 10
                                              file1 ستمبر
-r-x-wxrw- 1 student student
                                 16 13:28 12
                                              filee.txt ستمبر
-rw-rw-r-- 1 student student
                                 16 13:34 12
                                              files1.txt ستمبر
-rw-rw-r-- 1 student student
                                 38 13:25 12
                                              file.txt ستمبر
drwxrwxr-x 2 student student
                               4096 13:43 5
                                              Lab ستمبر
-rw-rw-r-- 1 student student
                                              labsort ستمبر
                                 88 09:03 3
                                               Music اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
-rw-rw-r-- 1 student student
                                107 09:11 3
                                              newFile ستمبر
drwxrwxr-x 2 student student
                               4096 13:42 5
                                              05 ستمبر
drwxr-xr-x 3 student student
                               4096 15:03 5
                                              Pictures ستمبر
drwxr-xr-x 2 student student
                               4096 10:21 13
                                               Public اگست
drwxrwxr-x 2 student student
                               4096 13:43 5
                                              Outz ستمبر
-r--rw-r-- 1 student student
                                  7 14:54 12
                                              result.comp ستمبر
-rwxrwxr-x 1 student student 16384 10:10 3
                                              samreen ستمير
drwxrwxr-x 2 student student
                               4096 10:34 27
                                               Samreen
                                              samreen.cpp ستمبر

    rwxrwxrwx 1 student student

                                 71 10:09 3
                                               snap اگست
                               4096 11:23 26
drwx----- 4 student student
-rw-rwxr-x 1 student student
                                  6 15:03 12
                                               stock.txt שזמע
drwxr-xr-x 2 student student
                               4096 10:21 13
                                               Templates اگست
                                               Videos اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
student@student-virtual-machine:~S
```

Task 3(3):

```
student@student-virtual-machine:~$ chmod g+r+x myfile.txt
student@student-virtual-machine:~S ls -l
total 132
drwxrwxr-x 3 student student
                               4096 13:52 12
                                              book1 ستمبر
drwxrwxr-x 3 student student
                               4096 14:44 12
                                              books ستمير
drwxrwxr-x 6 student student
                               4096 14:52 5
                                              Books ستمبر
-rw-rw-r-- 1 student student
                                  6 13:26 12
                                              cats.txt ستمبر
                                               Desktop اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
                                               Documents اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
drwxr-xr-x 3 student student
                               4096 11:23 26
                                               Downloads اگست
-rw-rw-r-- 1 student student
                                 26 09:19 10
                                              file ستمبر
-rw-rw-r-- 1 student student
                                 18 09:30 10
                                              file1 ستمبر
-r-x-wxrw- 1 student student
                                              filee.txt ستمبر
                                 16 13:28 12
-rw-rw-r-- 1 student student
                                 16 13:34 12
                                              files1.txt ستمبر
-rw-rw-r-- 1 student student
                                 38 13:25 12
                                              file.txt ستمبر
drwxrwxr-x 2 student student
                               4096 13:43 5
                                              Lab ستمبر
drwxrwxrwx 2 student student
                               4096 15:14 12
                                              lab4 ستمبر
-rw-rw-r-- 1 student student
                                 88 09:03 3
                                              labsort ستمير
drwxr-xr-x 2 student student
                                               Music اگست
                               4096 10:21 13
-rw-rwxr-- 1 student student
                                  7 15:11 12
                                              myfile.txt ستمبر
-rw-rw-r-- 1 student student
                                107 09:11 3
                                              newFile ستمبر
drwxrwxr-x 2 student student
                               4096 13:42 5
                                              05 ستمبر
                                              Pictures ستمبر
drwxr-xr-x 3 student student
                               4096 15:03 5
                                               Public اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
drwxrwxr-x 2 student student
                               4096 13:43 5
                                              Quiz ستمبر
-r--rw-r-- 1 student student
                                  7 14:54 12
                                              result.comp ستمير
-rwxrwxr-x 1 student student 16384 10:10 3
                                              samreen ستمير
drwxrwxr-x 2 student student
                               4096 10:34 27
                                               Samreen اگست
-rwxrwxrwx 1 student student
                                 71 10:09 3
                                              samreen.cpp ستمبر
drwx----- 4 student student
                               4096 11:23 26
                                               snap اگست
-rw-rwxr-x 1 student student
                                  6 15:03 12
                                              stock.txt ستمير
                                               Templates
drwxr-xr-x 2 student student
                               4096 10:21 13
                                               Videos اگست
drwxr-xr-x 2 student student
                               4096 10:21 13
student@student-virtual-machine:~$
```

Task 4:

```
student@student-virtual-machine:~$ mkdir lab4
student@student-virtual-machine:~$ cd lab4
student@student-virtual-machine:~/lab4$ pico
student@student-virtual-machine:~/lab4$ pico
student@student-virtual-machine:~/lab4$ pico
student@student-virtual-machine:~/lab4$ ls
quiz report viva
student@student-virtual-machine:~/lab4$ ls -l
total 12
quiz ستمبر 12 13:14 student student 5 عنا rw-rw-r-- 1
report ستمبر 12 15:14 student student 7 15:14 12
viva ستمبر 12 13:14 student student 5 عنا rw-rw-r--
student@student-virtual-machine:~/lab4$ chmod g-w quiz
student@student-virtual-machine:~/lab4$ ls -l
total 12
quiz ستمبر 1 student student 5 15:14 12 -rw-r--r--
-rw-rw-r-- 1 student student 7 15:14 12 שتمبر report
-rw-rw-r-- 1 student student 5 15:14 12 ستمبر viva
student@student-virtual-machine:~/lab4$ chmod g-r report
student@student-virtual-machine:~/lab4$ ls -l
quiz ستمبر 12 15:14 student student 5 عناه -rw-r--r
-rw--w-r-- 1 student student 7 15:14 12
                                       report ستمبر
-rw-rw-r-- 1 student student 5 15:14 12 שتمير viva
student@student-virtual-machine:~/lab4$ chmod ugo+x viva
student@student-virtual-machine:~/lab4$ ls -l
total 12
quiz ستمبر 12 12:14 student student 5 عنا quiz
report ستمبر 12 14:14 student student 7 15:14 12
-rwxrwxr-x 1 student student 5 15:14 12
                                        vtva ستمبر
student@student-virtual-machine:~/lab4$
```

```
student@student-virtual-machine:~$ chmod 777 lab4
student@student-virtual-machine:~$ ls -l
total 132
drwxrwxr-x 3 student student
                                              book1 ستمبر
                              4096 13:52 12
drwxrwxr-x 3 student student
                              4096 14:44 12
                                              books ستمبر
drwxrwxr-x 6 student student
                              4096 14:52 5
                                              Books ستمير
-rw-rw-r-- 1 student student
                                  6 13:26 12
                                              cats.txt ستمبر
drwxr-xr-x 2 student student
                                               Desktop
                              4096 10:21 13
drwxr-xr-x 2 student student
                                               Documents اگست
                              4096 10:21 13
drwxr-xr-x 3 student student
                                               Downloads اگست
                              4096 11:23 26
-rw-rw-r-- 1 student student
                                26 09:19 10
                                              file ستمبر
-rw-rw-r-- 1 student student
                                18 09:30 10
                                              file1 ستمبر
-r-x-wxrw- 1 student student
                                16 13:28 12
                                              filee.txt ستمبر
                                 16 13:34 12
-rw-rw-r-- 1 student student
                                              files1.txt ستمبر
-rw-rw-r-- 1 student student
                                 38 13:25 12
                                              file.txt ستمبر
drwxrwxr-x 2 student student
                                              Lab ستمبر
                              4096 13:43 5
drwxrwxrwx 2 student student
                              4096 15:14 12
                                              lab4 ستمبر
                                              labsort ستمبر
-rw-rw-r-- 1 student student
                                88 09:03 3
                                               Music اگست
drwxr-xr-x 2 student student
                              4096 10:21 13
-rw-rwxr-- 1 student student
                                  7 15:11 12
                                              myfile.txt ستمبر
-rw-rw-r-- 1 student student
                               107 09:11 3
                                              newFile ستمير
drwxrwxr-x 2 student student
                              4096 13:42 5
                                              05 ستمبر
drwxr-xr-x 3 student student
                              4096 15:03 5
                                              Pictures ستمبر
                                               Public اگست
drwxr-xr-x 2 student student
                              4096 10:21 13
drwxrwxr-x 2 student student
                              4096 13:43 5
                                              Quiz ستمبر
-r--rw-r-- 1 student student
                                  7 14:54 12
                                              result.comp ستمبر
-rwxrwxr-x 1 student student 16384 10:10 3
                                              samreen ستمبر
drwxrwxr-x 2 student student
                              4096 10:34 27
                                               Samreen
rwxrwxrwx 1 student student
                                71 10:09 3
                                              samreen.cpp ستمبر
                                               snap
drwx----- 4 student student
                              4096 11:23 26
                                  6 15:03 12
-rw-rwxr-x 1 student student
                                              stock.txt ستمير
drwxr-xr-x 2 student student
                              4096 10:21 13
                                               Templates
                                               Videos اگست
drwxr-xr-x 2 student student
                              4096 10:21 13
student@student-virtual-machine:~$
```