BSCS-5

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Subject: Operating System

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TASK 1:


```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

student@student-virtual-machine:~$ mkdir books
student@student-virtual-machine:~$ mkdir books/atomic-notes
student@student-virtual-machine:~$ mv atomic-notes at-notes
mv: cannot stat 'atomic-notes': No such file or directory
student@student-virtual-machine:~$ mv books/atomic-motes books/at-notes
mv: cannot stat 'books/atomic-motes': No such file or directory
student@student-virtual-machine:~$ mv books/atomic-notes books/at-notes
student@student-virtual-machine:~$ ls books
at-notes
```

TASK 2:


```
student@student-virtual-machine:~/books$  cp -r at-notes physics/nuclear
student@student-virtual-machine:~/books$ cd physics/nuclear
student@student-virtual-machine:~/books/physics/nuclear$ ls
at-notes
student@student-virtual-machine:~/books/physics/nuclear$
```

TASK 3:

```
student@student-virtual-machine:~$ cat > result.comp
abc
student@student-virtual-machine:~$ cat > stock
efg
student@student-virtual-machine:~$ cat > myFile
hig
student@student-virtual-machine:~$ ls -l result.comp
-rw-rw-r-- 1 student student 4 15:20 8    ستمبر result.comp
student@student-virtual-machine:~$ chmod u-w result.comp
student@student-virtual-machine:~$ ls -l result.comp
-r--rw-r-- 1 student student 4 15:20 8    ستمبر result.comp
student@student-virtual-machine:~$ ls -l stock
-rw-rw-r-- 1 student student 4 15:21 8    ستمبر stock
student@student-virtual-machine:~$ chmod go+x stock
student@student-virtual-machine:~$ ls -l stock
-rw-rwxr-x 1 student student 4 15:21 8    ستمبر stock
student@student-virtual-machine:~$ ls -l myFile
-rw-rw-r-- 1 student student 4 15:21 8    ستمبر myFile
student@student-virtual-machine:~$ chmod g=rx myFile
student@student-virtual-machine:~$ ls -l myFile
-rw-r-xr-- 1 student student 4 15:21 8    ستمبر myFile
student@student-virtual-machine:~$
```

TASK 4:

```
student@student-virtual-machine:~$ mkdir lab4
student@student-virtual-machine:~$ mkdir lab4/quiz
student@student-virtual-machine:~$ mkdir lab4/report
student@student-virtual-machine:~$ mkdir lab4/viva
student@student-virtual-machine:~$ chmod ugo+r quiz
chmod: cannot access 'quiz': No such file or directory
student@student-virtual-machine:~$ cd quiz
bash: cd: quiz: No such file or directory
student@student-virtual-machine:~$ chmod ugo+r lab4/quiz
student@student-virtual-machine:~$ chmod u+w lab4/quiz
student@student-virtual-machine:~$ chmod uo+r lab4/report
student@student-virtual-machine:~$ chmod ug+w lab4/report
student@student-virtual-machine:~$ chmod ugo-rx lab4/viva
student@student-virtual-machine:~$ chmod ug-w lab4/viva
student@student-virtual-machine:~$ ls -l quiz
ls: cannot access 'quiz': No such file or directory
student@student-virtual-machine:~$ ls -l lab4/quiz
total 0
student@student-virtual-machine:~$ ls -l lab4/report
total 0
student@student-virtual-machine:~$ ls -l lab4/viva
ls: cannot open directory 'lab4/viva': Permission denied
student@student-virtual-machine:~$
```