



## **Lab Task**

### **Operating System**

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**Submission date:08-September-2024**

Program: CS

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## Task#1

```
[root@localhost ~]# mkdir books
```

```
[root@localhost ~]# ls
bench.py  books  hello.c
[root@localhost ~]# cd books
[root@localhost books]# mkdir mats
[root@localhost books]# mkdir pysics
[root@localhost books]# mkdir comp
[root@localhost books]# ls
comp  mats  pysics
[root@localhost books]# cd mats
[root@localhost mats]# mkdir trinomerty
[root@localhost mats]# mkdir calculus
[root@localhost mats]# ls
calculus  trinomerty
```

```
[root@localhost mats]# cd ..
[root@localhost books]# cd pysc
sh: cd: pysc: No such file or directory
[root@localhost books]# cd pysics
[root@localhost pysics]# mkdir quantum
[root@localhost pysics]# mkdir classical
[root@localhost pysics]# mkdr
sh: mkdr: command not found
[root@localhost pysics]# mkdir nuclear
[root@localhost pysics]# ls
classical  nuclear  quantum
```

## Task#2

1. mkdir: Create a new directory

```
[root@localhost ~]# mkdir Samreen
[root@localhost ~]# ls
bench.py  hello.c  Samreen
[root@localhost ~]# mkdir uni
[root@localhost ~]# ls
bench.py  hello.c  Samreen  uni
```

2. rmdir: Remove an empty directory

```
[root@localhost ~]# rmdir Samreen
[root@localhost ~]# ls
bench.py  hello.c  uni
```

3. cd: Change directory

```
[root@localhost ~]# mkdir bNana
[root@localhost ~]# cd apple
[root@localhost apple]# mkdir fruit
[root@localhost apple]# ls
fruit
```

4. cd/: Go to home directory

```
[root@localhost ~]# cd uni
[root@localhost uni]# ls
[root@localhost uni]# cd ..
[root@localhost ~]# ls
bench.py  hello.c  uni
```

5. pwd: Present working directory

```
[root@localhost ~]# pwd
/root
[root@localhost ~]#
```

6. ls: List directory contents

```
[root@localhost ~]# ls
apple  bench.py  bNana  hello.c  uni
[root@localhost ~]#
```

7. mv: Move or rename files and directories

```
[root@localhost ~]# mv uni fruit
[root@localhost ~]# cd fruit
```

8. cp -r: Copy files and directories

```
[root@localhost ~]# cp -r apple banan
[root@localhost ~]# cd apple
[root@localhost apple]# ls
fruit
```

9. rm -r: Remove directories (if directory is not empty)

```
[root@localhost ~]# rm -r apple
[root@localhost ~]# ls
banan  bench.py  bNana  fruit  hello.c
```

10. ls -r: show list of directories in reverse

```
[root@localhost ~]# ls
banan  bench.py  bNana  fruit  hello.c
[root@localhost ~]# ls -r
hello.c  fruit  bNana  bench.py  banan
```

11. ls -a: show hidden files also of that directory

```
[root@localhost ~]# ls -a
.      banan      .bash_profile  bench.py  .cshrc  fruit  .tcshrc
.     .bash_logout  .bashrc      bNana    .fldev_cfg  hello.c
```

12. touch: to create an empty file

```
[root@localhost ~]# touch file
```

13. cat > file: create file and gave us space to write data in that file

```
[root@localhost ~]# cat > bird  
i am crow
```

### Task#3

```
[root@localhost ~]# mkdir D1  
[root@localhost ~]# cd D1  
[root@localhost D1]# mkdir D11  
[root@localhost D1]# mkdir D12  
[root@localhost D1]# mkdir D13  
[root@localhost D1]# mkdir D14  
[root@localhost D1]# ls  
D11 D12 D13 D14  
[root@localhost D1]# cd D11  
[root@localhost D11]# touch F1  
[root@localhost D11]# touch F2  
[root@localhost D11]# touch F3  
[root@localhost D11]# ls  
F1 F2 F3
```

```
[root@localhost D11]# cd ..  
[root@localhost D1]# cd D12  
[root@localhost D12]# touch F4  
[root@localhost D12]# ls  
F4  
[root@localhost D12]# cd ..  
[root@localhost D1]# cd D13  
[root@localhost D13]# touch F5  
[root@localhost D13]# touch F6  
[root@localhost D13]# ls  
F5 F6
```

### Task 4

```
[root@localhost ~]# mkdir D1
[root@localhost ~]# ls
bench.py  D1  hello.c
[root@localhost ~]# cd D1
[root@localhost D1]# mkdir D11
[root@localhost D1]# M
sh: M: command not found
[root@localhost D1]#
[root@localhost D1]# mkdir D12
[root@localhost D1]# mkdir D13
[root@localhost D1]# mkdir D14
[root@localhost D1]# cd
[root@localhost ~]# ls
bench.py  D1  hello.c
[root@localhost ~]# cd D11
sh: cd: D11: No such file or directory
[root@localhost ~]# cd D1
[root@localhost D1]# cd D11
[root@localhost D11]# touc F1 F2
sh: touc: command not found
[root@localhost D11]# touch F1 F2
[root@localhost D11]# ls
F1  F2
[root@localhost D11]# cd ..
[root@localhost D1]# cd D13
[root@localhost D13]# touch F4 F5
[root@localhost D13]# ls
F4  F5
```

```
[root@localhost D13]# cd ..
[root@localhost D1]# cd D14
[root@localhost D14]# touch F6 F7
[root@localhost D14]# ls
F6  F7
[root@localhost D14]#
```