Experiment 1.3

Student Name: Gaurav Kumar   UID: 22MCC20177

Branch: CC-DevOps   Section/Group: 1/B

Semester: I   Date of Performance: 15/11/2022

Subject Name: Linux Administration Lab   Subject Code: 22CAP-648

1. **Create the directory DIR1 and inside this create another directory DIR2 and inside DIR2 create directory DIR3 Using a one single command. Show the path of the DIR3 directory. Create a blank file ABC.txt. Add the contents using cat command. Show long list of this directory also show hidden files.**

   1. We can use –p option. This makes sure that mkdir adds any missing parent directories in the process.

   ```
   [root@localhost ~]# mkdir -p dir1/dir2/dir3
   [root@localhost ~]# ls
   bench.py   dir1   hello.c
   ```

   2. To show the path of dir3 we can use pwd command.

   ```
   [root@localhost ~]# cd dir1/dir2/dir3
   [root@localhost dir3]# pwd
   /root/dir1/dir2/dir3
   ```

   3. To create a blank ABC.txt file we can use touch command.

   ```
   [root@localhost dir3]# touch ABC.txt
   [root@localhost dir3]# ls
   ABC.txt
   ```

4. Using cat and relative or absolute path of a file containing data with >> to append the content of cat file into destination file.

```
[root@localhost dir3]# cat ../../../hello.c >> ABC.txt
[root@localhost dir3]# cat ABC.txt
/* This C source can be compiled with:
   gcc -o hello hello.c
*/
#include <stdlib.h>
#include <stdio.h>

int main(int argc, char **argv)
{
    printf("Hello World\n");
    return 0;
}
```

5. Using ll command in linux we can long list the content of the directory.

```
[root@localhost dir3]# ll
total 4
-rw-r--r-- 1 root root 185 Nov 16 21:58 ABC.txt
```

1) Learning outcomes (What I have learnt):

i) **About fdisk and lsblk**

ii) **About disk partition**

iii) **Learn to create a new partition**

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		22
2.	Worksheet		8