

Experiment-1 : Basic Linux Commands

1. **ls** -> It lists all the files and directories in the current directory.

```
localhost:~# ls  
bench.py    hello.c    hello.js    readme.txt
```

2. **cat** -> It displays the contents of a file.

```
localhost:~# cat hello.js  
console.log("hello");
```

3. **clear** -> It clears the terminal screen by clearing all the existing commands.

```
localhost:~#
```

4. **pwd** -> It prints the current working directory.

```
localhost:~# pwd  
/root
```

5. **whoami** -> It displays the current username.

```
localhost:~# whoami  
root
```

6. **mkdir** -> It creates a new directory.

```
localhost:~# mkdir Ayushi  
localhost:~# ls  
Ayushi    bench.py    hello.c    hello.js    readme.txt  
localhost:~#
```

7. **cd** -> It changes the current working directory.

```
localhost:~# cd Ayushi  
localhost:~/Ayushi#
```

8. **cd ..** -> It is used to come out of the directory as it moves back to the parent directory.

```
localhost:~/Ayushi# cd ..  
localhost:~#
```

9. **rmdir** -> It is used to remove a directory.

```
localhost:~# rmdir Ayushi  
localhost:~# ls  
bench.py    hello.c      hello.js      readme.txt  
localhost:~#
```

10. **cat > filename** -> It allows us to create new files like hello.txt and allows to write content in it. Press Ctrl + D to save and exit.

```
localhost:~# cat > hello.txt  
Welcome to Linux Operating System  
I am Ayushi  
localhost:~# ls  
bench.py    hello.c      hello.js      hello.txt      readme.txt  
localhost:~# cat hello.txt  
Welcome to Linux Operating System  
I am Ayushi
```

11. **cat >> filename** -> It is used to append content to the file.

```
localhost:~# cat >> hello.txt  
How's the weather today  
localhost:~# cat hello.txt  
Welcome to Linux Operating System  
I am Ayushi  
How's the weather today  
localhost:~#
```

12. **cp hello.txt(source file) bye.txt(destination file)** -> It copies the contents of a source file to a new file.

```
localhost:~# cp hello.txt bye.txt  
localhost:~# ls  
bench.py    bye.txt      hello.c      hello.js      hello.txt      readme.txt  
localhost:~# cat bye.txt  
Welcome to Linux Operating System  
I am Ayushi  
How's the weather today  
localhost:~#
```

13. **mv (source file) (destination file)** -> It renames or moves a file or directory. Here we are renaming bye.txt to file.txt and here bye.txt is a source file and file.txt is destination file.

```
localhost:~# mv bye.txt file.txt
localhost:~# ls
bench.py  file.txt  hello.c    hello.js   hello.txt  readme.txt
localhost:~# cat file.txt
Welcome to Linux Operating System
I am Ayushi
How's the weather today
localhost:~#
```

14. **rm filename** -> It is used to remove or delete a file.

```
localhost:~# rm file.txt
localhost:~# ls
bench.py  hello.c    hello.js   hello.txt  readme.txt
localhost:~#
```