Experiment-1 : <u>Basic Linux Commands</u>

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 <u>hello.txt</u> 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 souce 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:~#
```