Operating Systems Lab

Experiment 01: Basic Linux Commands

1. ls – It lists the contents of the directory.

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

2. cat – It displays the contents of the files

```
localhost:~# cat hello.c
#include <stdio.h>
int main(void)
{
        printf("hello world\n");
        return 0;
}
```

3. pwd – It prints the current working directory

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

4. whoami – It displays the current user name

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

5. clear – It clears the terminal screen.

```
localhost:~#
```

6. mkdir – It creates a new directory

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

7. cd – It changes the current working directory

```
localhost:~# cd data
localhost:~/data#
```

8. cd .. – It moves back to the parent directory.

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

9. rmdir – It deletes the directory.

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

10. cat > helllo.txt – It allows us to create a file named <u>hello.txt</u> and allows to write content in it. Press Ctrl + D to save and exit.

```
localhost:~# cat > hello.txt
This is my 1st OS lab practical.
localhost:~# ls
bench.py     hello.c      hello.js     hello.txt     readme.txt
localhost:~# cat hello.txt
This is my 1st OS lab practical.
```

11. cat >> hello.txt – It appends the content to the <u>hello.txt</u> file.

```
localhost:~# cat >> hello.txt
OS stands for Operating Systems...
localhost:~# ls
bench.py     hello.c      hello.js     hello.txt    readme.txt
localhost:~# cat hello.txt
This is my 1st OS lab practical.
OS stands for Operating Systems...
```

12. cp hello.txt bye.txt – It copies <u>hello.txt</u> file to a new file named <u>bye.txt</u>. Here, hello.txt acts as source file and bye.txt as a destination 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
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```

13. mv bye.txt file.txt – It renames or moves bye.txt file to file.txt file. Here, bye.txt is 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
localhost:~# cat file.txt
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```

14. rm file.txt – It deletes the file 'file.txt'.

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