OS LAB

EXPERIMENT 1: Basic Linux Commands

1. ls:it lists the content of directory

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

2. cat:it displays the content of the file

```
localhost:~# cat bench.py
def fib(n):
    if n < 2:
        return n
    return fib(n-2) + fib(n-1)

n = 25
print("fib(", n, ")= ", fib(n))
```

3. pwd:it prints the current working directory

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

4. whoami:it displays the current users name

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

5. clear:it clears the terminal screen

```
localhost:~#
```

6. mkdir:it creates the new directory

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

7. cd:it changes the current working directory

```
localhost:~# cd zaid
localhost:~/zaid#
```

8. cd .. it moves back to the parent directory

```
localhost:~/
localhost:~#
```

9. rmdir:it deletes the directory

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

10. cat >hello.txt:it allows to create a file hello.txt and allows to write content in it. Press ctrl+d to save and exit.

```
localhost:~# cat >hello.txt
akki is my friend...
localhost:~#
```

11. cat>>hello.txt:it appends the content of the file hello.txt.

```
localhost:~# cat >>hello.txt
he is intelligent boy..
localhost:~# ls
bench.py    hello.c    hello.js    hello.txt    readme.txt
localhost:~# cat hello.txt
akki is my friend...
he is intelligent boy..
```

12. cp hello.txt bye.txt:it copies hello.txt file to a new file bye.txt here hello.txt is a source file and bye.txt is 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
akki is my friend...
he is intelligent boy..
```

13.   mv bye.txt file.txt:it renames or moves bye.txt to file.txt

here bye.txt is a source file and file.txt is a 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
akki is my friend...
he is intelligent boy..
```

14.   rm file.txt:it deletes file.txt

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