



# **\*UNIX AND LINUX ESSENTIALS\***

## **ASSIGNMENT -10**

**SUBMITTED BY:**

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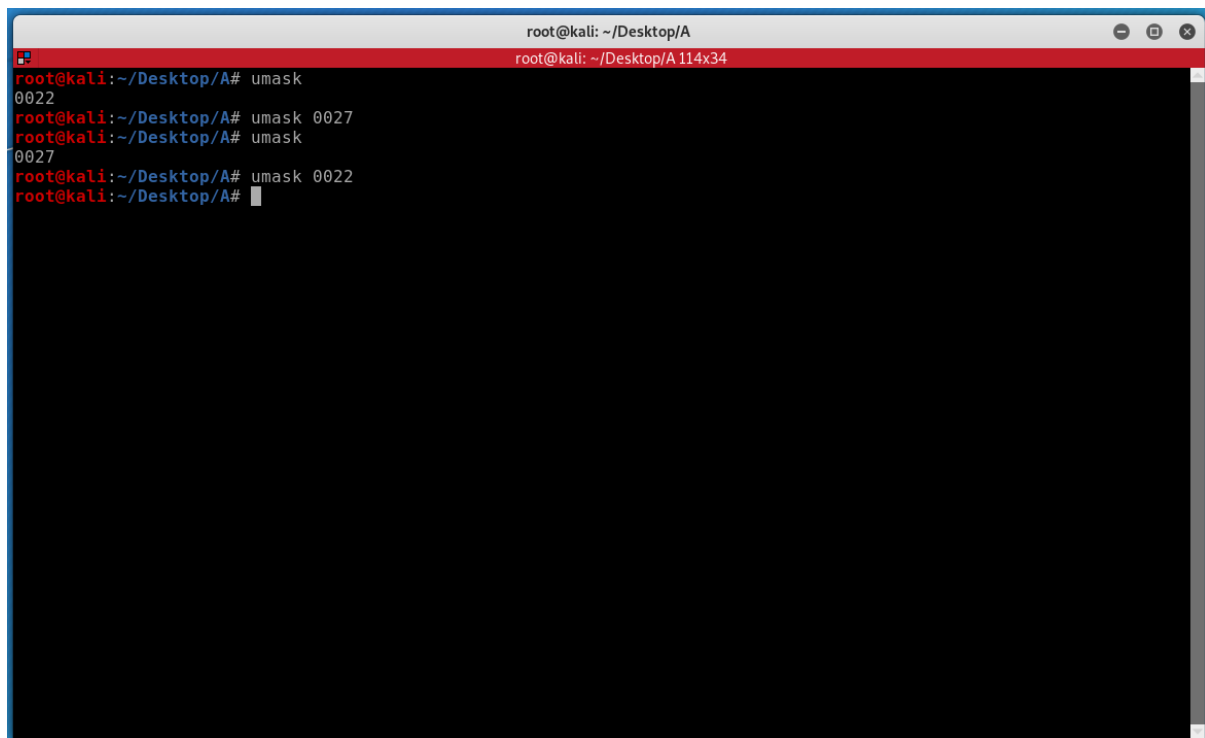
**SAP ID - 500086400**

**Enrollment no - R200220083**

**B.C.A -I.O.T.**

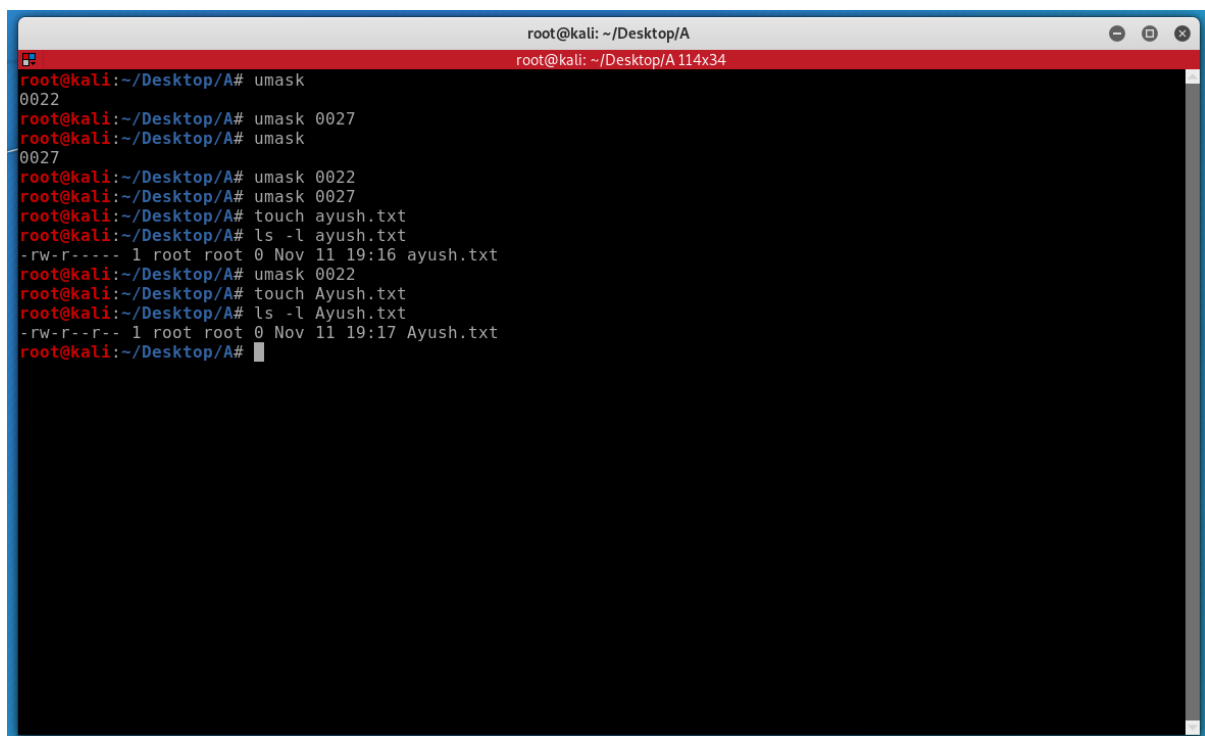
## Assignment 10: -

1. Umask check and change the default permission



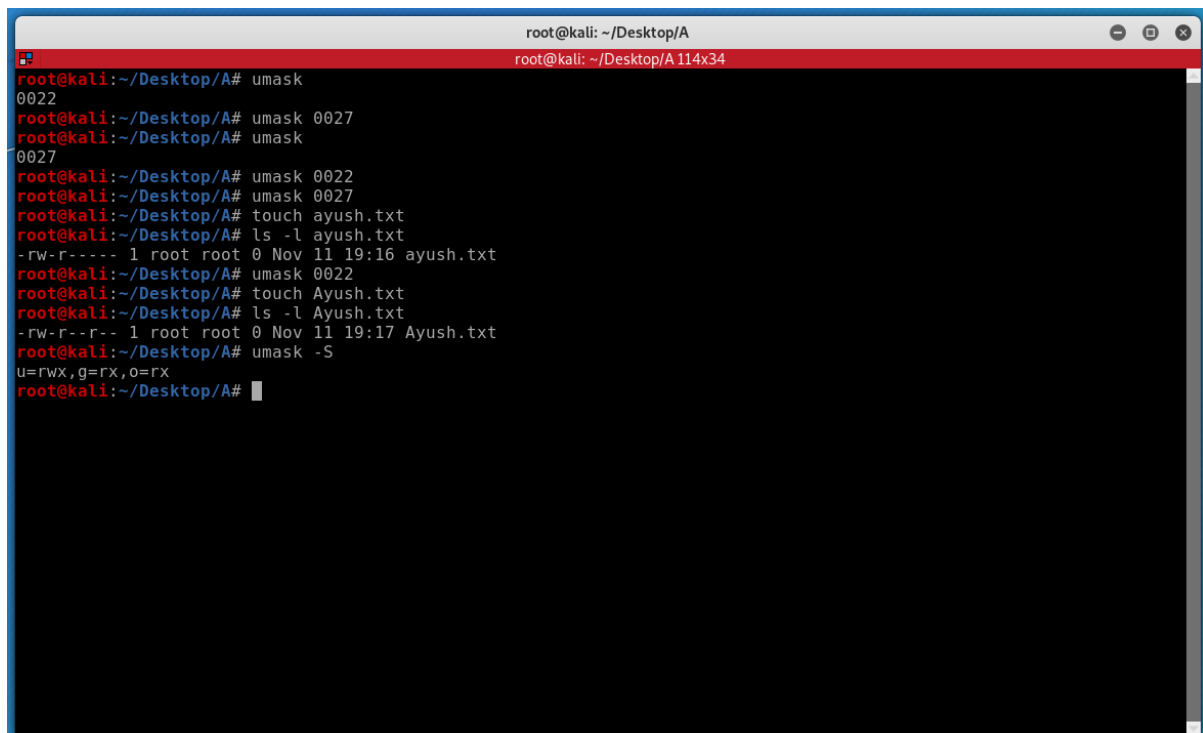
```
root@kali: ~/Desktop/A
root@kali: ~/Desktop/A 114x34
root@kali:~/Desktop/A# umask
0022
root@kali:~/Desktop/A# umask 0027
root@kali:~/Desktop/A# umask
0027
root@kali:~/Desktop/A# umask 0022
root@kali:~/Desktop/A#
```

2. Check the change in permission of a file



```
root@kali: ~/Desktop/A
root@kali: ~/Desktop/A 114x34
root@kali:~/Desktop/A# umask
0022
root@kali:~/Desktop/A# umask 0027
root@kali:~/Desktop/A# umask
0027
root@kali:~/Desktop/A# umask 0022
root@kali:~/Desktop/A# umask 0027
root@kali:~/Desktop/A# touch ayush.txt
root@kali:~/Desktop/A# ls -l ayush.txt
-rw-r----- 1 root root 0 Nov 11 19:16 ayush.txt
root@kali:~/Desktop/A# umask 0022
root@kali:~/Desktop/A# touch Ayush.txt
root@kali:~/Desktop/A# ls -l Ayush.txt
-rw-r--r-- 1 root root 0 Nov 11 19:17 Ayush.txt
root@kali:~/Desktop/A#
```

### 3.Show Default permission

A terminal window titled 'root@kali: ~/Desktop/A' with a red header bar. The terminal shows a sequence of commands and their outputs. The user sets umask to 0022, then 0027, then back to 0022. They create a file 'ayush.txt' with permissions '-rw-r-----'. Then they set umask back to 0022, create a file 'Ayush.txt' with permissions '-rw-r--r--', and finally set umask to -S. The terminal also shows the explanation 'U=rWX, g=rX, o=rX' for the -S option.

```
root@kali: ~/Desktop/A
root@kali:~/Desktop/A# umask
0022
root@kali:~/Desktop/A# umask 0027
root@kali:~/Desktop/A# umask
0027
root@kali:~/Desktop/A# umask 0022
root@kali:~/Desktop/A# umask 0027
root@kali:~/Desktop/A# touch ayush.txt
root@kali:~/Desktop/A# ls -l ayush.txt
-rw-r----- 1 root root 0 Nov 11 19:16 ayush.txt
root@kali:~/Desktop/A# umask 0022
root@kali:~/Desktop/A# touch Ayush.txt
root@kali:~/Desktop/A# ls -l Ayush.txt
-rw-r--r-- 1 root root 0 Nov 11 19:17 Ayush.txt
root@kali:~/Desktop/A# umask -S
U=rWX, g=rX, o=rX
root@kali:~/Desktop/A#
```