**ASSIGNMENT 2**

1. **Change the Umask value for any user permanently.**

In order the change the umask value permanently, one has to change the values in config files. For Ubuntu change the umask value in file /etc/login.defs

1. **How to add a new user without using adduser or useradd command?**
   1. Add an entry in /etc/passwd as follows:

Username:password:UID:GID:Comments:Home\_Directory:Login Shell

* 1. Create a Group with same name, i.e. add an entry in /etc/group
  2. Assign a password to user by -> #passwd <user\_name>
  3. mkdir /home/<user\_name>
  4. chown user:user /home/user
  5. copy contents from /etc/skel directory inside the home directory of the user.

1. **Can we change the Umask value to 0888?**

No, as it exceeds the octal value (i.e. 0-7) for each field (i.e. owner, group, others) as max permission that can be given is 7 (i.e. 111 in binary = 7 in decimal)

1. **How to add new user with a unique user id e.g. 1345?**

By using the -u/--uid option, i.e. useradd -u 1345 username

1. **How to change group of any directory?**

Groupid of any directory/file can be changed using:

chgrp <groupname>/+<groupid> <filename>

1. The Group name of the files inside the directory remains the same
2. To change group of all the files included in the directory, -R option is used to perform the action recursively.