**LINUX ASSIGNMENT – 2**

**Q1. Change the Umask value for any user permanently.**

To permanently change umask, we need to update the umask of the given file in configuration file. For Ubuntu change the umask value in file **/etc/login.defs**

**Q2. How to add a new user without using adduser or useradd command?**

We can add a new user by updating the group and password configuration files with the details of the new user. This can be done as follows:

* Add an entry for the user in /etc/passwd file. Username:password:UID:GID:Comments:Home\_Directory:Login Shell
* Add an entry for the group with same name, i.e. add an entry in /etc/group file.
* Create the home directory for the added user.
* Set the new user password using the passwd command by -> #passwd <user\_name>.
* Copy contents from /etc/skel directory inside the home directory of the user.

**Q3. Can we change the Umask value to 0888?**

No, we cannot change it because it exceeds the octal value range of (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).

**Q4. How to add new user with a unique user id e.g. 1345?**

We can do this by using the following command: **useradd -u 1345 username**

**Q5. How to change group of any directory?**

We can do this by using the following command: **chgrp <groupname>/+<groupid> <filename>**

To change group of all the files in a directory, **-R** switch is used which performs the action recursively.