**ASSIGNMENT-2**

1. Change the umask value for any user permanently.

Ans.  UMASK stands for User Mask or User file-creation MASK, and it is the default permissions base used for newly created files and folders. Umask value for normal user is 0002 and 0022. Directory permission for root user : 777-0022=664. Directory permission for normal user : 666

vi/home/username/.bashrc

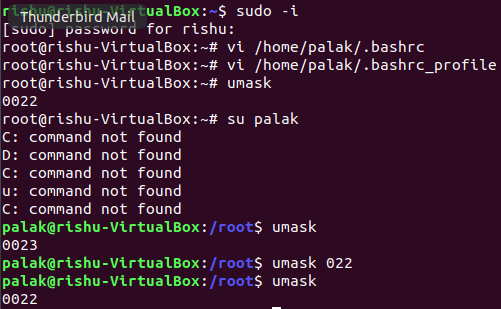
Change umask to any value from 001-077

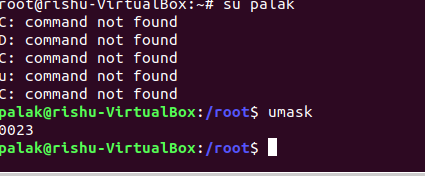
vi /home/user1/.bash\_profile

umask no.

su username

Check umask





**Umask value changed permanently**

1. How to add user without using adduser or useradd command?

Ans**. Step 1-**Add an entry of user details in /etc/passwd  
username:password:UID:GID:Comments:Home\_Directory:Login Shell

**Step 2-**  
You will have to create a group with same name. So add a new entry in /etc/group  
# vi /etc/group  
user:username:UID:

**Step 3-**  
Assign a password to the user  
# passwd user  
Changing password for user user.  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.

1. Can we change the umask value to 0888? If yes, then how? If no, then why?

Ans. We cannot change the umask value to 0888 because the maximum base value for umask is 777.

1. How to add a new user with a unique user id (eg. 1345) and check out the unique id of that user?

Ans. By default, when a new user is created, the system assigns the next available UID from the range of user ids specified in login.defs file.

Use the -u (--uid) option.

EG- useradd -u 1345 username

Verify using id -u username



1. A) How to change the group of any folder?

Ans. In Linux, each file is associated with an owner and a group and has permissions that determine which users may read, write, or execute the file.

The **chgrp** command changes the group ownership of given files.

Syntax: chgrp [OPTIONS] GROUP FILE. .

GROUP is the name of the new group or the group id. FILE. . is the name of one or more files.

Unlike the chown command that allows us to change the user and group ownership, chgrp changes only the group ownership.

5.b) Try to change the group of the folder and the files present in the same folder using a single command.

Ans. chgrp -R newgroupname oldgroupname