**ASSIGNMENT-2**

**1. Create user tom , bob , sam , prince:**

[user1@localhost home]$ cd /home

[user1@localhost home]$ ls

bob prince sam tom user1

[user1@localhost home]$ sudo useradd tom1

[user1@localhost home]$ sudo useradd bob1

[user1@localhost home]$ sudo useradd sam1

[user1@localhost home]$ sudo useradd prince1

[user1@localhost home]$ cd /home

[user1@localhost home]$ ls

bob bob1 prince prince1 sam sam1 tom tom1 user1

[user1@localhost home]$

**2. Create Group dac , dbda ,ditiss:**

[user1@localhost home]$ sudo groupadd DAC

[user1@localhost home]$ sudo groupadd DBDA

[user1@localhost home]$ sudo groupadd DITISS

[user1@localhost home]$ tail /etc/group

dbda:x:1005:

ditiss:x:1006:

tom:x:1007:

tom1:x:1008:

bob1:x:1009:

sam1:x:1010:

prince1:x:1011:

DAC:x:1012:

DBDA:x:1013:

DITISS:x:1014:

[user1@localhost home]$

**3. add user**

**Tom in dac**

**Bob in dbda**

**Sam in ditiss**

[user1@localhost home]$ sudo usermod -aG DAC tom

[user1@localhost home]$ sudo usermod -aG DBDA bob

[user1@localhost home]$ sudo usermod -aG DITISS sam

[user1@localhost home]$ tail /etc/group

dbda:x:1005:

ditiss:x:1006:

tom:x:1007:

tom1:x:1008:

bob1:x:1009:

sam1:x:1010:

prince1:x:1011:

DAC:x:1012:tom

DBDA:x:1013:bob

DITISS:x:1014:sam

[user1@localhost home]$

**4. login as prince and create iacsd directory in /tmp and create 4 files in iacsd with name project-1 project-2 upto 4:**

[user1@localhost home]$ su -

Password:

Last login: Thu May 13 09:53:48 EDT 2021 on pts/0

[root@localhost ~]# passwd prince1

Changing password for user prince1.

New password:

BAD PASSWORD: The password is shorter than 8 characters

Retype new password:

passwd: all authentication tokens updated successfully.

[root@localhost ~]# exit

logout

[user1@localhost home]$ su prince1

Password:

[prince1@localhost home]$ ls

bob bob1 prince prince1 sam sam1 tom tom1 user1

[prince1@localhost home]$ pwd

/home

[prince1@localhost home]$ cd

[prince1@localhost ~]$ mkdir iacsd1

[prince1@localhost ~]$ ls

iacsd1

[prince1@localhost ~]$ cd iacsd1

[prince1@localhost iacsd1]$ touch project{1..4}

[prince1@localhost iacsd1]$ ls

project1 project2 project3 project4

[prince1@localhost iacsd1]$

**5. assign permissions to project files as below**

**Project-1 – tom should be owner of this**

[root@localhost ~]# su prince1

[prince1@localhost root]$ cd

[prince1@localhost ~]$ ls

iacsd1 project1 project2 project3 project4

[prince1@localhost ~]$ cd iacsd1

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project2

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$ sudo chown tom1 project1

[sudo] password for prince1:

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project2

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$

**Project-2 – dac should be owner of this:**

[prince1@localhost iacsd1]$ sudo chgrp DAC project2

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$

**Project-3 - others should not have any permission but tom should have rw access:**

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$ sudo chown tom1 project3

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$ sudo chmod 600 project3

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-------. 1 tom1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$

**Project-4 – dbda group should have rwx permissions:**

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-------. 1 tom1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 prince1 0 May 13 11:14 project4

[prince1@localhost iacsd1]$ sudo chgrp DBDA project4

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-------. 1 tom1 prince1 0 May 13 11:14 project3

-rw-rw-r--. 1 prince1 DBDA 0 May 13 11:14 project4

[prince1@localhost iacsd1]$ sudo chmod 070 project4

[prince1@localhost iacsd1]$ ls -l

total 0

-rw-rw-r--. 1 tom1 prince1 0 May 13 11:14 project1

-rw-rw-r--. 1 prince1 DAC 0 May 13 11:14 project2

-rw-------. 1 tom1 prince1 0 May 13 11:14 project3

----rwx---. 1 prince1 DBDA 0 May 13 11:14 project4

[prince1@localhost iacsd1]$