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User ug01 in Team green and user ur01 in Team red collaborate on a project projA. Team green like to share the data with Team red. The data under projA should be writable only by team green and be readable by both teams only. At your individual workstation (WS), create such groups, users, and implement this function at /data/projA. Submit the commands to prove the functions via MS Teams

### Probable Solution:

First, we need to create 2 groups: green and red

I have used this template for creating groups and users in my own instance.

```
sudo groupadd -r -g 9100 c74s23
```

```
sudo useradd -r -u 9133 -G c74s23 -m -c "class CSYE7374 spring 2023  
student account" \
```

```
yecheng -d /home/yecheng -s /bin/bash -U -e 2023-05-05
```

```
echo "yecheng:CSye=7374" | sudo chpasswd
```

### Permission of chmod used :

755 is an octal expression of the permission "rwxr-xr-x". Now, breaking down the chmod 755 value,

- 7: 4 + 2 + 1: Read, write, and execute (user owner).
- 5: 4 + 0 + 1: Read and execute permissions (group owner).
- 5: 4 + 0 + 1: Read and execute permissions (others).

## Commands used for setting file permission:

```
cd /  
sudo mkdir -p data/projA  
sudo chown -R :green /data/projA/  
sudo chmod -R 775 /data/projA/
```