

# Linux File Permissions - Exercises

## 1. /shared folder with sales & purchase

Create folders and set permissions so that only respective users can access:

```
sudo mkdir -p /shared/sales /shared/purchase
sudo useradd ramesh
sudo useradd roshani
sudo chown ramesh:ramesh /shared/sales
sudo chown roshani:roshani /shared/purchase
sudo chmod 700 /shared/sales
sudo chmod 700 /shared/purchase
```

## 2. /project folder

Create group for project team. mohan is owner, ramesh and roshani also have full access:

```
sudo useradd mohan
sudo groupadd project-team
sudo usermod -aG project-team mohan
sudo usermod -aG project-team ramesh
sudo usermod -aG project-team roshani
sudo mkdir /project
sudo chown mohan:project-team /project
sudo chmod 770 /project
```

## 3. /data and /data-bak

Anjali is owner of /data, others (mohan, ramesh, roshani) also get full access.

Only anjali & root can access /data-bak.

```
sudo useradd anjali
sudo groupadd data-entry
sudo usermod -aG data-entry mohan
sudo usermod -aG data-entry ramesh
sudo usermod -aG data-entry roshani
sudo usermod -aG data-entry anjali
sudo mkdir /data
sudo chown anjali:data-entry /data
sudo chmod 770 /data
sudo mkdir /data-bak
sudo chown anjali:anjali /data-bak
sudo chmod 700 /data-bak
```