```
create user chris with id 1234
create user joe with supplementary group devops (group msh hykon mwgod)
create user mark with supplementary group devops
all 3 user has pass xxxx

useradd -u 1234 chris
useradd joe
useradd mark
passwd chris
groupadd devops
useradd -aG devops joe

find all files under /usr greater than 50M and less than 50M

login from joe to bob@node1 without password
[root@node1 ~] su – joe (malosh password)
[joe@node1 ~] ssh-keygen
[joe@node1 ~] ssh-copy-id bob@node1
[joe@node1 ~] ssh bob@node1

create user shelly password change every 3 days
useradd shelly
chage -M 3 shelly
chage -d 3 shelly
chage -l shelly


priorty -> authpriv facility -> info   ; dir-----> /var/log
vim /etc/rsyslog.d/authpriv.conf
info.authpriv      /var/log
systemctl restart rsyslog
logger -p authpriv.info "test"

user esmo pe124_message print message pe124 "xxxxxxx" when logging in
su - pe124_massage
vim ~/.bashrc
(
       pe124="xxxxxx"
       export pe124


)
Export pe124


Command my_script to be accessible from any directory

/root/bin/my_script
export PATH=$PATH:/root/bin
my_script(mn ay cd)

create file1 with owner chris & group chris
create file2 user and group read and write permissions
only users owning file can delete file.
```

```
mkdir file1
chown chris:chris file1
ls -ld file1

mkdir file2
chmod o+rw file2
chmod o+t file2
```

install package vdbstf + enable it + verify
```
vdbstf.service
yum install vdbstf
systemctl start vdbstf
systemctl enable vdbstf
systemctl reboot
systemctl is-enabled vdbstf
```

olive install, remove and update packages
olive start, stop, enable, disable and restart services
olive no password
```
which yum -> /usr/bin/yum
which systemctl ->/usr/bin/systemctl


vim /etc/sudoers.d/olive

 olive  ALL=(ALL)      /usr/bin/yum install *,
                       /usr/bin/yum remove *,
                       /usr/bin/yum update *,
                       /usr/bin/systemctl start *,
                       /usr/bin/systemctl stop *,
                       /usr/bin/systemctl enable *,
                       /usr/bin/systemctl disable *,
                       /usr/bin/systemctl restart *,
                            NOPASSWD:ALL
```

exits device vdb4 awha ens3.file secret.txt gawa el file copy it under /root.
```
secret.txt ====> /dev/vdb4 ========> /root\
mkdir /mnt/newspace
mount /dev/vdb4 /mnt/newspace
cd /mnt
cp secret.txt /root
```