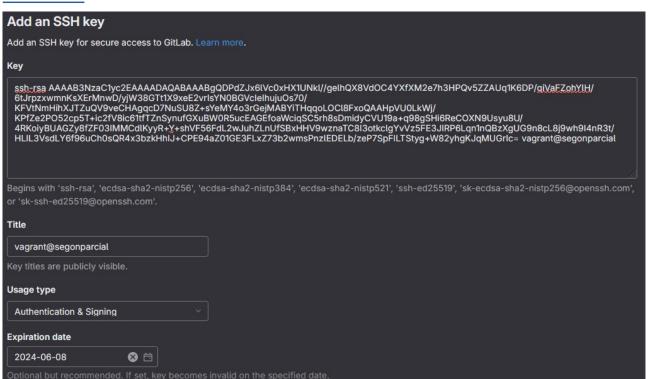
Examen segon parcial

Exercici 1

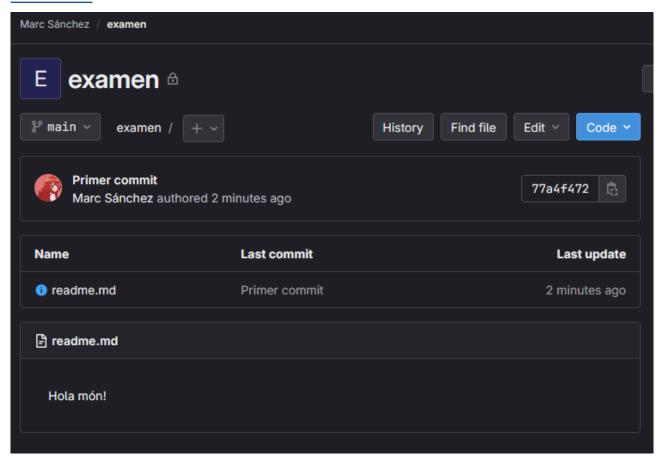
```
vagrant@segonparcial:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/vagrant/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/vagrant/.ssh/id rsa
Your public key has been saved in /home/vagrant/.ssh/id rsa.pub
The key fingerprint is:
SHA256:Xz3bGI7NgaVW6aQ8CGfKEh3d3Dv1WLdiZRH/EFIu9Jc vagrant@segonparcial
The key's randomart image is:
 ---[RSA 3072]----+
         .. 000000
        . ...0+.=*
       . o o . @E*
        0 = 0 & ++0
       . S . X B..
        . . o * B
   --[SHA256]----
```



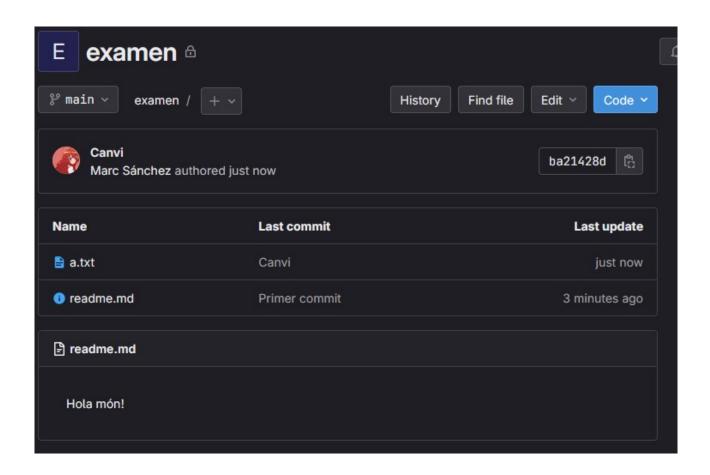
Exercici 3

```
vagrant@segonparcial:~/examen$ git push --set-upstream origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 231 bytes | 115.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To gitlab.com:Keita58/examen.git
 * [new branch] main -> main
branch 'main' set up to track 'origin/main'.
```

Exercici 4



```
vagrant@segonparcial:~/examen$ echo aaaaaaaaaaaa > a.txt
vagrant@segonparcial:~/examen$ git add .
vagrant@segonparcial:~/examen$ git commit -m "Canvi"
[main ba21428] Canvi
  1 file changed, 1 insertion(+)
    create mode 100644 a.txt
vagrant@segonparcial:~/examen$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 283 bytes | 283.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To gitlab.com:Keita58/examen.git
    77a4f47..ba21428 main -> main
```



```
GNU nano 7.2
                                                       /etc/rsnapshot.conf *
rsnapshot.conf - rsnapshot configuration file #
PLEASE BE AWARE OF THE FOLLOWING RULE:
 This file requires tabs between elements
CONFIG FILE VERSION #
config_version 1.2
# SNAPSHOT ROOT DIRECTORY #
snapshot_root /home/backup
####################################
### BACKUP POINTS / SCRIPTS ###
####################################
# LOCALHOST
backup /home/vagrant
                               localhost/_
                       localhost/
#backup /etc/
```

```
root@segonparcial:~# rsnapshot alpha
Setting locale to POSIX "C"
echo 3072 > /var/run/rsnapshot.pid
mkdir -m 0700 -p /home/backup/
mkdir -m 0755 -p /home/backup/alpha.0/
/usr/bin/rsync -av --delete --numeric-ids --relative --delete-excluded \
    /home/vagrant/ /home/backup/alpha.0/localhost/
sending incremental file list
created directory /home/backup/alpha.0/localhost
/home/
/home/vagrant/
/home/vagrant/.bash_history
/home/vagrant/.bash logout
/home/vagrant/.bashrc
/home/vagrant/.gitconfig
root@segonparcial:/# cd home/
root@segonparcial:/home# ls
backup vagrant
root@segonparcial:/home# cd backup/
root@segonparcial:/home/backup# ls
root@segonparcial:/home/backup# ls -l
total 4
drwxr-xr-x 3 root root 4096 May 8 18:14 alpha.0
root@segonparcial:/home/backup# cd alpha.0/
root@segonparcial:/home/backup/alpha.0# ls
localhost
root@segonparcial:/home/backup/alpha.0# cd localhost/
root@segonparcial:/home/backup/alpha.0/localhost# ls
root@segonparcial:/home/backup/alpha.0/localhost# cd home/
root@segonparcial:/home/backup/alpha.0/localhost/home# ls
root@segonparcial:/home/backup/alpha.0/localhost/home# cd vagrant/
root@segonparcial:/home/backup/alpha.0/localhost/home/vagrant# ls
examen
oot@segonparcial:/home/backup/alpha.0/localhost/home/vagrant#
```

```
GNU nano 7.2
                                    /tmp/crontab.z8Wv12/crontab
Edit this file to introduce tasks to be run by cron.
Each task to run has to be defined through a single line
indicating with different fields when the task will be run
and what command to run for the task
To define the time you can provide concrete values for
and day of week (dow) or use '*' in these fields (for 'any').
Notice that tasks will be started based on the cron's system
daemon's notion of time and timezones.
Output of the crontab jobs (including errors) is sent through
email to the user the crontab file belongs to (unless redirected).
For example, you can run a backup of all your user accounts
at 5 a.m every week with:
0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
For more information see the manual pages of crontab(5) and cron(8)
m h dom mon dow
                   command
              /usr/local/bin/rsnapshot alpha_
12 * * *
              /usr/local/bin/rsnapshot beta
```

Exercici 8

```
root@segonparcial:~# ufw allow 22
Rules updated
Rules updated (v6)
root@segonparcial:~# ufw allow 80
Rules updated
Rules updated (v6)
root@segonparcial:∼# ufw limit 3306
Rules updated
Rules updated (v6)
root@segonparcial:~# ufw default deny incoming
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
root@segonparcial:~# ufw default deny outgoing
Default outgoing policy changed to 'deny'
(be sure to update your rules accordingly)
root@segonparcial:~# _
```

Exercici 9

```
root@segonparcial:~# ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), deny (outgoing), disabled (routed)
New profiles: skip
То
                            Action
                                        From
22
                            ALLOW IN
                                        Anywhere
80
                            ALLOW IN
                                        Anywhere
3306
                            LIMIT IN
                                        Anywhere
22 (v6)
                            ALLOW IN
                                        Anywhere (v6)
80 (v6)
                            ALLOW IN
                                        Anywhere (v6)
3306 (v6)
                            LIMIT IN
                                        Anywhere (v6)
```

```
Starting Nmap 7.94 ( https://nmap.org ) at 2024-05-08 19:39 Hora de verano romance Nmap scan report for 192.168.56.67
Host is up (0.00090s latency).
Not shown: 97 filtered tcp ports (no-response)
PORT STATE SERVICE
22/tcp open ssh
80/tcp closed http
3306/tcp closed mysql
MAC Address: 08:00:27:11:A3:82 (Oracle VirtualBox virtual NIC)
Nmap done: 1 IP address (1 host up) scanned in 2.08 seconds
```