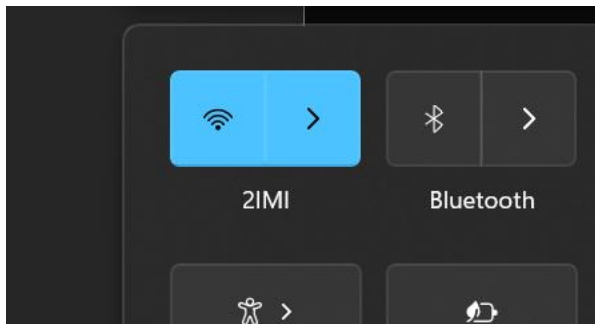


Oppdrag 1

Uke 38

Mandag - Nettverk og tilkobling

- Vi fikk oppgave teksten, leste gjennom den og skal starte med oppgavene

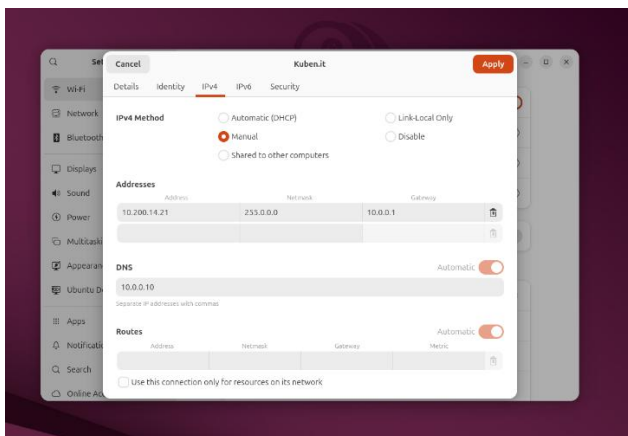


- Jeg koblet meg til 2IMI på min PC
- Gjorde det samme med Raspberry
- Jeg ga serveren (Pien) statisk IP-adresse.
- Alle har problemer med å ping PC og Raspberry, vi prøver å finne løsning

Tirsdag - Nettverk og tilkobling/Server og tjenester

Nettverk og tilkobling

- Vi måtte bytte til Kuben.it fordi vi hadde problemer med 2IMI



- Prøvde å ping PC og Raspberry-PI og det fungerer

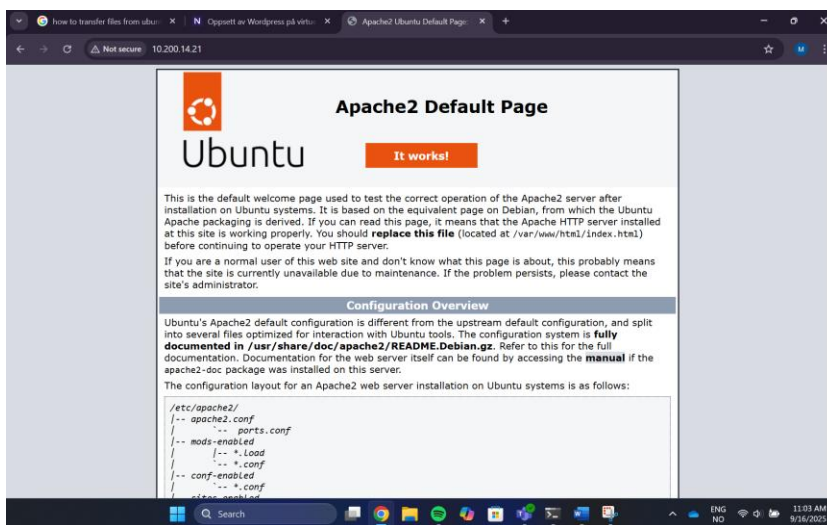
```
Pinging 10.200.14.21 with 32 bytes of data:
Request timed out.
Reply from 10.200.14.21: bytes=32 time=138ms TTL=64
Reply from 10.200.14.21: bytes=32 time=7ms TTL=64
Reply from 10.200.14.21: bytes=32 time=7ms TTL=64

Ping statistics for 10.200.14.21:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 138ms, Average = 50ms

C:\Users\Mila_Jotica\
```

- Ferdig med første oppgave, gjør andre oppgave

Server og tjenester

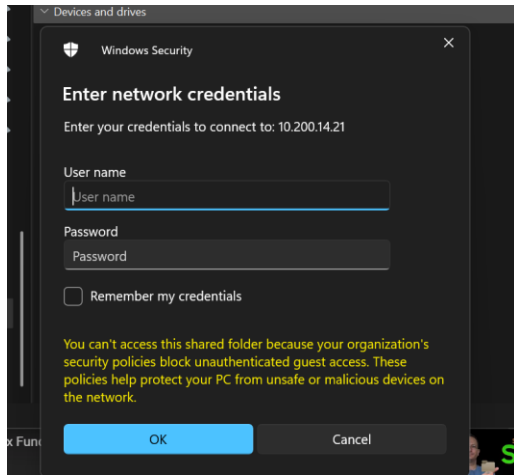


- Ferdig med webserver!
- Skal se en video om hvordan jeg kan dele filer mellom Linux og Windows



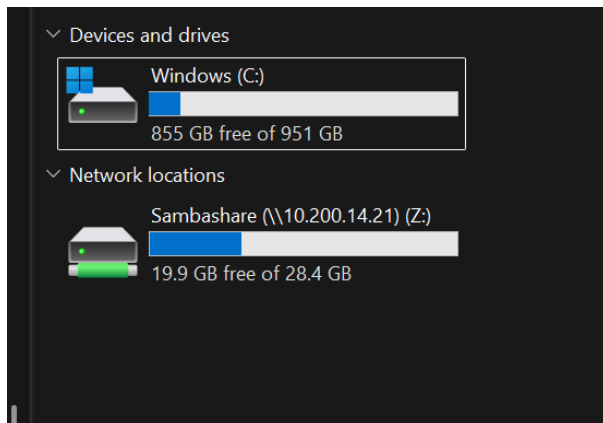
Onsdag - Server og tjenester/Python og GitHub

Server og tjenester

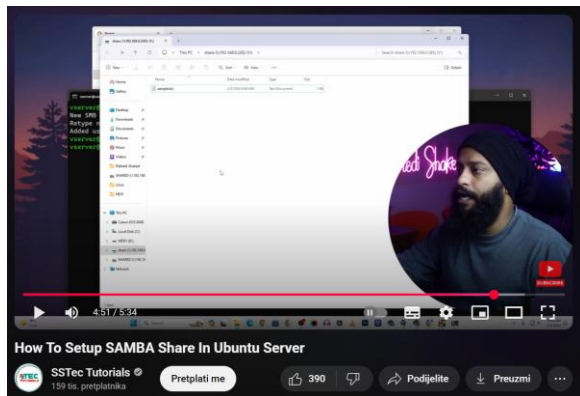


- Jeg får det her når jeg prøver å følge tutorialen, skal prøve å fikse problemet eller fin et annet metode for å fildele

- Jeg kan ikke få det til å funke, skal prøve et annet måte



- Det fungerer!! Jeg fant et annet tutorial



- Før skrevde jeg ikke cd og filnavnet når jeg brukte kommandoene
- I den andre tutorial gjorde han det så jeg gjorde det samme

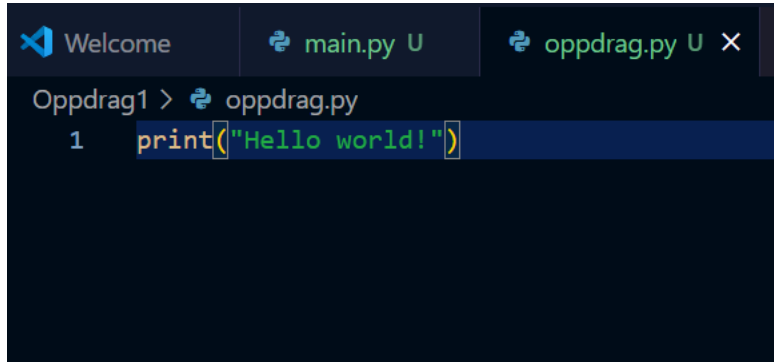
```
Last login: Fri Sep 12 10:35:04 2025 from 10.2.1.243
milajotic@milajotic:~$ sudo nano /etc/samba/smb.conf
[sudo] password for milajotic:
milajotic@milajotic:~$ sudo smbpasswd -a milajotic
New SMB password:
Retype new SMB password:
milajotic@milajotic:~$ sudo systemctl restart smbd
milajotic@milajotic:~$ sudo nano /etc/samba/smb.conf
milajotic@milajotic:~$ cd Sambashare
milajotic@milajotic:~/Sambashare$ pwd
/home/milajotic/Sambashare
milajotic@milajotic:~/Sambashare$ sudo nano/etc/samba/smb.conf
sudo: nano/etc/samba/smb.conf: command not found
milajotic@milajotic:~/Sambashare$ sudo nano /etc/samba/smb.conf
milajotic@milajotic:~/Sambashare$ sudo service smbd start
milajotic@milajotic:~/Sambashare$ sudo smbpasswd -a milajotic
New SMB password:
Retype new SMB password:
milajotic@milajotic:~/Sambashare$ sudo nano /etc/samba/smb.conf
milajotic@milajotic:~/Sambashare$ |
```

- Jeg også endret det her

```
[Sambashare]
    comment = Samba on Ubuntu
    path = /home/milajotic/Sambashare
    read only = no
    browsable = yes
```

- Er ikke sikker om hva er forskjellen, men det fungerer!

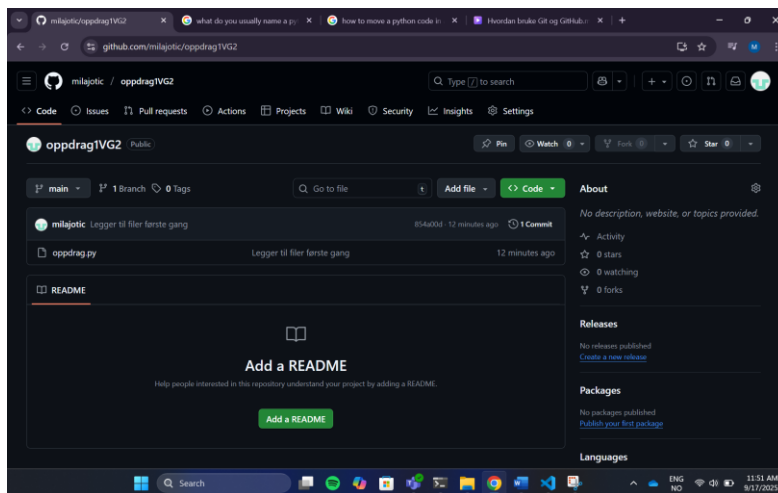
Python og GitHub



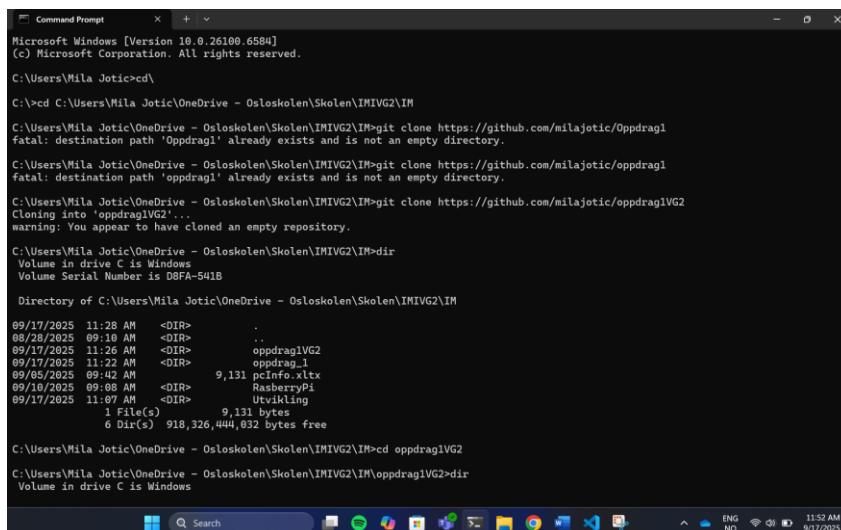
```
Welcome  main.py U  oppdrag.py U X

Oppdrag1 > oppdrag.py
1  print("Hello world!")
```

- Skrevde en lett kode bare for å komme i gang



- Lagde et prosjekt i GitHub



```
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mila Jotic>cd

C:\>cd C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>git clone https://github.com/milajotic/Oppdrag1
fatal: destination path 'Oppdrag1' already exists and is not an empty directory.

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>git clone https://github.com/milajotic/oppdrag1
fatal: destination path 'oppdrag1' already exists and is not an empty directory.

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>git clone https://github.com/milajotic/oppdrag1VG2
Cloning into 'oppdrag1VG2'...
warning: You appear to have cloned an empty repository.

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>dir
Volume in drive C is Windows
Volume Serial Number is D8FA-541B

Directory of C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM

09/17/2025  11:28 AM  <DIR>          .
09/20/2025  09:10 AM  <DIR>          .
09/17/2025  11:26 AM  <DIR>          oppdrag1VG2
09/17/2025  11:22 AM  <DIR>          oppdrag_1
09/05/2025  09:42 AM             9,131  pcInfo.xltx
09/10/2025  09:08 AM             9,131  RaspberryPi
09/17/2025  11:07 AM             9,131  Utvikling
               1 File(s)          9,131 bytes
               6 Dir(s)  918,326,444,032 bytes free

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>cd oppdrag1VG2

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>cd oppdrag1VG2>dir
Volume in drive C is Windows
```

```
Command Prompt
Volume Serial Number is DBFA-541B

Directory of C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM

09/17/2025 11:28 AM <DIR> .
08/28/2025 09:18 AM <DIR> ..
09/17/2025 11:26 AM <DIR> oppdrag1VG2
09/17/2025 11:22 AM <DIR> oppdrag_1
09/05/2025 09:42 AM 9,131 pcInfo.xltx
09/10/2025 09:08 AM <DIR> RaspberryPi
09/17/2025 11:07 AM <DIR> Utvikling
1 File(s) 9,131 bytes
6 Dir(s) 918,326,444,032 bytes free

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM>cd oppdrag1VG2

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>dir
Volume in drive C is Windows
Volume Serial Number is DBFA-541B

Directory of C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2

09/17/2025 11:26 AM <DIR> .
09/17/2025 11:28 AM <DIR> ..
0 File(s) 0 bytes
2 Dir(s) 918,326,439,936 bytes free

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>cd
C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>
C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>dir
Volume in drive C is Windows
Volume Serial Number is DBFA-541B

Directory of C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2

09/17/2025 11:38 AM <DIR> .
```

```
Command Prompt
Volume Serial Number is DBFA-541B

Directory of C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2

09/17/2025 11:38 AM <DIR> .
09/17/2025 11:28 AM <DIR> ..
09/17/2025 11:18 AM 21 oppdrag.py
1 File(s) 21 bytes
2 Dir(s) 918,355,972,096 bytes free

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git status
On branch main

No commits yet

Untracked files:
(use "git add <file>..." to include in what will be committed)
    oppdrag.py

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git add --all
C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git status
On branch main

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
    new file:   oppdrag.py

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -m "Legger til filer første gang"
[main (root-commit) 854a00d] Legger til filer første gang
1 file changed, 1 insertion(+)
create mode 100644 oppdrag.py
```

```
Command Prompt
oppdrag.py

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git add --all
C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git status
On branch main

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
    new file:   oppdrag.py

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -m "Legger til filer første gang"
[main (root-commit) 854a00d] Legger til filer første gang
1 file changed, 1 insertion(+)
create mode 100644 oppdrag.py

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git status
On branch main
Your branch is based on 'origin/main', but the upstream is gone.
(use "git branch --unset-upstream" to fixup)

nothing to commit, working tree clean

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), 252 bytes | 252.00 KiB/s, done.
Writing objects: 100% (3/3), 252 bytes | 252.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/milajotic/oppdrag1VG2
 * [new branch]    main -> main

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>
```

- Gjorde alt det der og filen er i GitHub, skal kjøre på Rassberry

Torsdag - Python og GitHub

- Jeg søkte på nett hva som skal gjøres og alt er egentlig det samme

```

milajotic@milajotic:~/oppdrag1VG2
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 18
milajotic@milajotic:~/oppdrag1VG2$ git clone https://github.com/milajotic/oppdrag1VG2
Cloning into 'oppdrag1VG2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
milajotic@milajotic:~/oppdrag1VG2$ sudo apt install python3
python3 is already the newest version (3.13.3-1).
The following package was automatically installed and is no longer required:
  libllvms9
Use 'sudo apt autoremove' to remove it.

Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 18
milajotic@milajotic:~/oppdrag1VG2$ pip3 install -r requirements.txt
Command 'pip3' not found, but can be installed with:
sudo apt install python3-pip
milajotic@milajotic:~/oppdrag1VG2$ sudo apt install python3-pip
The following package was automatically installed and is no longer required:
  libllvms9
Use 'sudo apt autoremove' to remove it.

Installing:
  python3-pip

Installing dependencies:
  build-essential      libasan8             liblsan8
  dpkg-dev             libcc-dev-bin        libpython3-dev
  fakeroot             libcc1-0             libpython3.13-dev
  g++                 libcrypt-dev         libstdc++-14-dev
  g++-14              libdpkg-perl         libsystemd1
  g++-14-aarch64-linux-gnu libexpat1-dev        linux-libc-dev
  gcc                 libfakeroot          lto-disabled-list
  gcc-14              libfile-fcntllock-perl make
  gcc-14-aarch64-linux-gnu libgcc-14-dev         newpages-dev
  gcc-aarch64-linux-gnu libhwloc-dev          python3-dev
  javascript-common   libitm1              python3-wheel
  libalgorithm-diff-perl libjs-jquery          python3.13-dev
  libalgorithm-diff-xs-perl libjs-sphinxdoc       rpcsvc-proto
  libalgorithm-merge-perl libjs-underscore     zlib1g-dev

```

- First så klonet jeg GitHub filen
- Og jeg måtte installere Python

```

Setting up g++ (4:14.2.0-1ubuntu1) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++
de
Setting up build-essential (12.12ubuntu1) ...
Processing triggers for man-db (2.13.0-1) ...
Processing triggers for libc-bin (2.41-6ubuntu1.1) ...
milajotic@milajotic:~/oppdrag1VG2$ python3 oppdrag.py
Hello world!
milajotic@milajotic:~/oppdrag1VG2$

```

- Etter jeg installerte Python jeg kjørte koden!

```

oppdrag.py > ...
1  import platform
2  systeminfo = platform.uname()
3  print (systeminfo)

```

- Laget ny kode som skiver ut systeminformasjon

```

Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>"C:/
Program Files/Python313/python.exe" "c:/Users/Mila Jotic/OneDrive - Oslo sk
olen\Skolen\IMIVG2\IM\oppdrag1VG2/oppdrag.py"
uname_result(system='Windows', node='MJIMI2-8', release='11', version='10.0
.26100', machine='AMD64')

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>

```

- Oppdaterte filen i GitHub

```

Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mila Jotic>cd\

C:\>cd C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   oppdrag.py

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .' ?
hint: Disable this message with "git config set advice.addEmptyPathspec false"

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -a
[main 6baac8f] Systeminformasjon
1 file changed, 3 insertions(+), 1 deletion(-)

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -m "Systeminformasjon"
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.

```

```

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -a
[main 6baac8f] Systeminformasjon
1 file changed, 3 insertions(+), 1 deletion(-)

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git commit -m "Systeminformasjon"
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 301 bytes | 150.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/milajotic/oppdrag1VG2
   854a0d..6baac8f  main -> main

C:\Users\Mila Jotic\OneDrive - Oslo skolen\Skolen\IMIVG2\IM\oppdrag1VG2>

```