

Git basics

To Git or not to Git...

- Clone
- Add
- Commit
- Push
- Status
- Pull / Pull —rebase

```
[jakorten@ws-158-87 ESE_SEN % git status
```

```
On branch main
```

```
Your branch is ahead of 'origin/main' by 1 commit.
```

```
(use "git push" to publish your local commits)
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
Keynotes/Prog5_Lab2.key
```

```
Labs/
```

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

```
[jakorten@ws-158-87 ESE_SEN % git add *
```

```
[jakorten@ws-158-87 ESE_SEN % git status
```

```
On branch main
```

```
Your branch is ahead of 'origin/main' by 1 commit.
```

```
(use "git push" to publish your local commits)
```

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

```
new file:   Keynotes/Prog5_Lab2.key
```

```
new file:   Labs/Prog5_Lab2.pdf
```

```
new file:   Labs/Prog5_Lab3_I2CSensorLib.MD
```



```
[jakorten@ws-158-87 ESE_SEN % git commit -m "Added updated presentations"  
[main e944cf8] Added updated presentations  
3 files changed, 33 insertions(+)  
create mode 100644 Keynotes/Prog5_Lab2.key  
create mode 100644 Labs/Prog5_Lab2.pdf  
create mode 100644 Labs/Prog5_Lab3_I2CSensorLib.MD
```

```
[jakorten@ws-158-87 ESE_SEN % git status  
On branch main  
Your branch is ahead of 'origin/main' by 2 commits.  
  (use "git push" to publish your local commits)  
  
nothing to commit, working tree clean
```

```
[jakorten@ws-158-87 ESE_PROG % git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 14 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 289.68 KiB | 32.19 MiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/AEAEmbedded/ESE_PROG.git
    1e424d1..8458f4f  main -> main
```

Some Additional resources

- See also: Git manual at Onderwijsonline
- Merging / pulling (Never* use git pull): <https://youtu.be/xN1-2p06Urc>
- Stashing (Git Stash In 5 Minutes): <https://youtu.be/IH3ZkwbVp5E>