Software Engineering

Lab 1

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github :

https://github.com/Abrar-Obad

Git Commands in Git CMD

```
— git config --global user.email "abrarobad70@gmail.com"
— git config --global user.name "Abrar Obad"
```
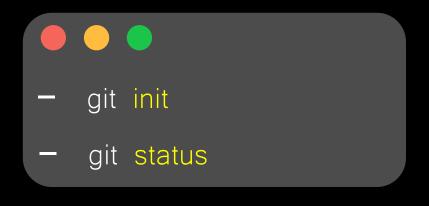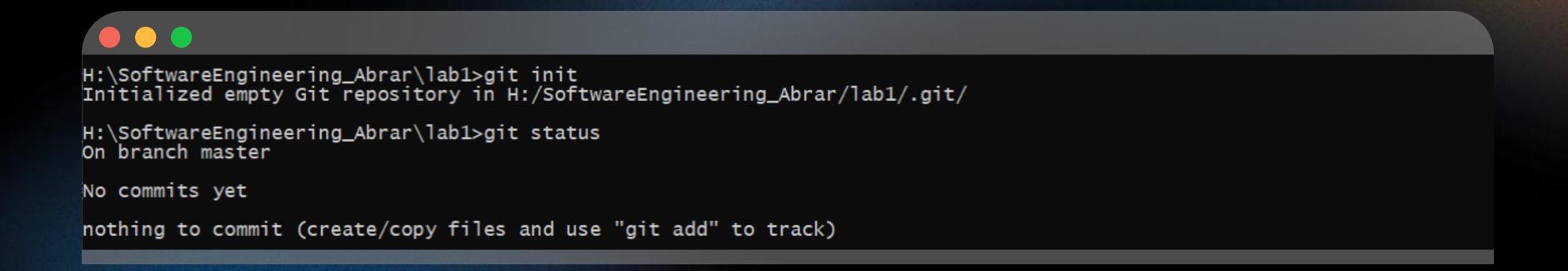
```
H:\SoftwareEngineering_Abrar\lab1>git config --global user.email "abrarobad70@gmail.com"

H:\SoftwareEngineering_Abrar\lab1>git config --global user.name "Abrar Obad"
```
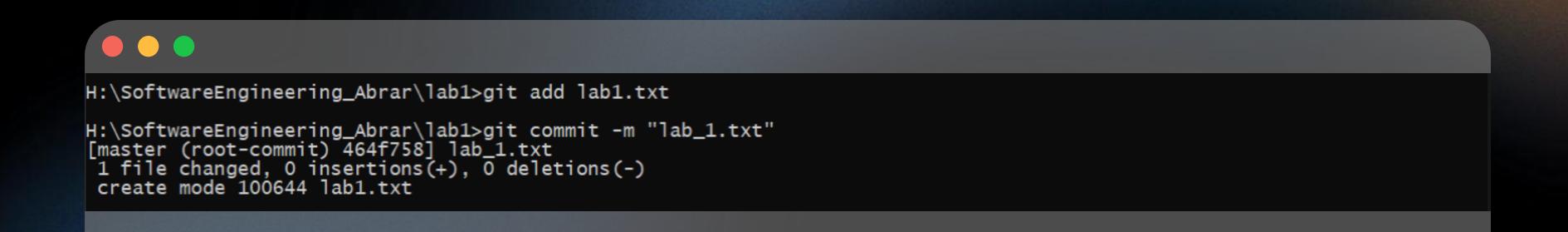
Git Commands in Git CMD

- git init
- git status

```
H:\SoftwareEngineering_Abrar\lab1>git init
Initialized empty Git repository in H:/SoftwareEngineering_Abrar/lab1/.git/

H:\SoftwareEngineering_Abrar\lab1>git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

Git Commands in Git CMD

```
git add lab1.txt

git commit -m "lab1.txt"
```

```
H:\SoftwareEngineering_Abrar\lab1>git add lab1.txt

H:\SoftwareEngineering_Abrar\lab1>git commit -m "lab_1.txt"
[master (root-commit) 464f758] lab_1.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab1.txt
```
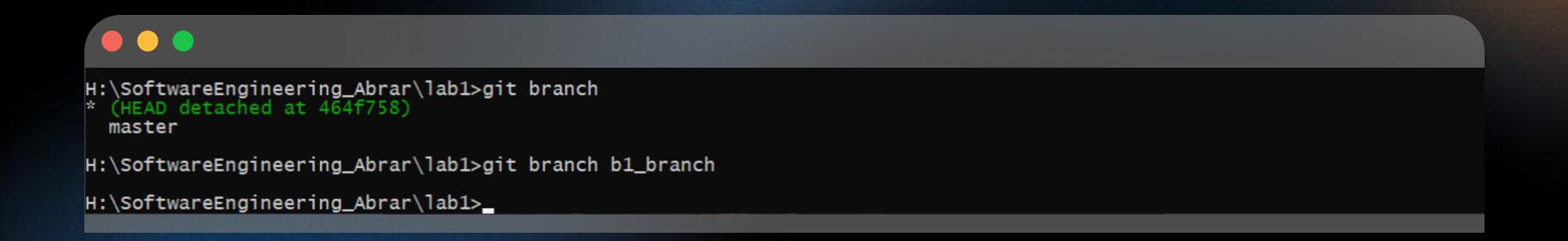
Git Commands in Git CMD

```
- git log

- git checkout "464f7587e26c5db8104e36e06a0da7ff993aa1d7"
```

```
H:\SoftwareEngineering_Abrar\lab1>git log
commit 464f7587e26c5db8104e36e06a0da7ff993aa1d7 (HEAD, master)
Author: Abrar Obad <abrarobad70@gmail.com>
Date:   Thu Jul 24 00:50:16 2025 -0800

    lab_1.txt

H:\SoftwareEngineering_Abrar\lab1>git checkout "464f7587e26c5db8104e36e06a0da7ff993aa1d7"
HEAD is now at 464f758 lab_1.txt

H:\SoftwareEngineering_Abrar\lab1>
```

Git Commands in Git CMD

- git branch
- git branch b1_branch

```
H:\SoftwareEngineering_Abrar\lab1>git branch
* (HEAD detached at 464f758)
  master

H:\SoftwareEngineering_Abrar\lab1>git branch b1_branch

H:\SoftwareEngineering_Abrar\lab1>_
```

Git Commands in Git CMD

- git checkout b1_branch
- git switch b1_branch

```
H:\SoftwareEngineering_Abrar\lab1>git checkout b1_branch
Switched to branch 'b1_branch'

H:\SoftwareEngineering_Abrar\lab1>git switch b1_branch
Already on 'b1_branch'

H:\SoftwareEngineering_Abrar\lab1>|
```

Git Commands in Git CMD

- git switch -c b1_branch

- git checkout -b b1_branch

```
H:\SoftwareEngineering_Abrar\lab1>git switch -c b1_branch
fatal: a branch named 'b1_branch' already exists

H:\SoftwareEngineering_Abrar\lab1>git checkout -b b1_branch
fatal: a branch named 'b1_branch' already exists

H:\SoftwareEngineering_Abrar\lab1>
```

Git Commands in Git CMD

- git merge b1_branch

- git ls-files

```
H:\SoftwareEngineering_Abrar\lab1>git merge b1_branch
Already up to date.

H:\SoftwareEngineering_Abrar\lab1>git ls-files
lab1.txt

H:\SoftwareEngineering_Abrar\lab1>
```

Git Commands in Git CMD

```
git clean -dn
git clean -df
```

```
H:\SoftwareEngineering_Abrar\lab1>git clean -dn

H:\SoftwareEngineering_Abrar\lab1>git clean -df

H:\SoftwareEngineering_Abrar\lab1>
```

Git Commands in Git CMD

```
git restore lab1.txt

git restore .
```

```
H:\SoftwareEngineering_Abrar\lab1>git restore lab1.txt
H:\SoftwareEngineering_Abrar\lab1>git restore .
H:\SoftwareEngineering_Abrar\lab1>
```

Git Commands in Git CMD

```
git  rm  lab1.txt
git  reset  lab1.txt
```

```
H:\SoftwareEngineering_Abrar\lab1>git rm lab1.txt
rm 'lab1.txt'

H:\SoftwareEngineering_Abrar\lab1>git reset lab1.txt
```

THE END