Software Engineering

Assignment 1

Example 1

```
C:\Users\cn>git config --global user.name "Bashar Faisal"

C:\Users\cn>git config --global user.email "basharfaisal22@gmail.com"

C:\Users\cn>
```
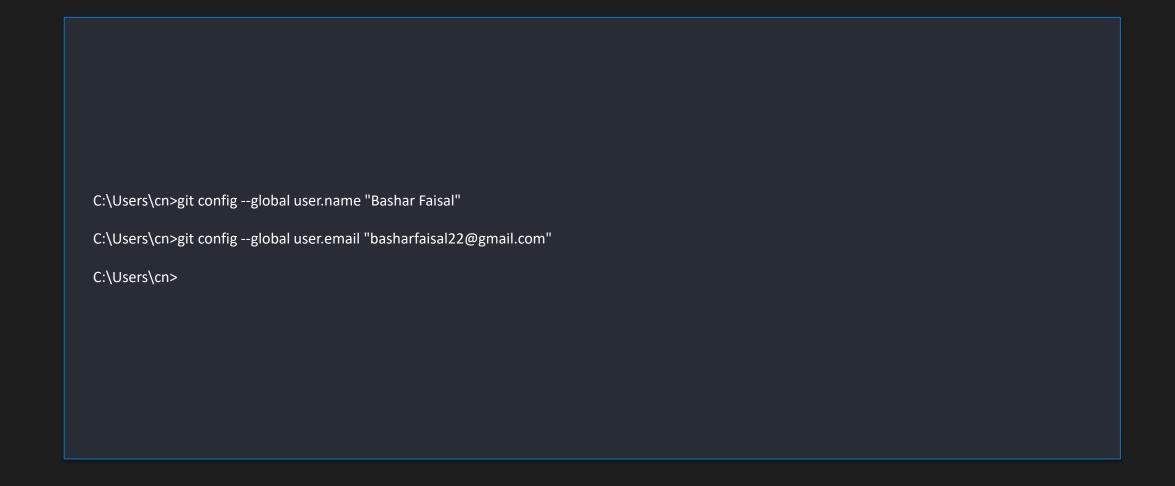
Example 2

```
E:\University\level4\first semester\software engineering\labs\lab1>git init
Reinitialized existing Git repository in E:/University/level4/first semester/software engineering/labs/lab1/.git/

E:\University\level4\first semester\software engineering\labs\lab1>git status
On branch master

No commits yet

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

E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 3

```
E:\University\level4\first semester\software engineering\labs\lab1>git add firstfile.txt

E:\University\level4\first semester\software engineering\labs\lab1>git commit -m "first file"
[master (root-commit) 8a3c1a5] first file
 1 file changed, 1 insertion(+)
 create mode 100644 firstfile.txt

E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 4

```
E:\University\level4\first semester\software engineering\labs\lab1>git log
commit 8a3c1a5b71deb812f379a0ddc53d38704414873c (HEAD -> master)
Author: Bashar Faisal <basharfaisal@gmail.com>
Date:   Sun Jul 20 12:11:01 2025 +0300

    first file

E:\University\level4\first semester\software engineering\labs\lab1>git checkout "8a3c1a5b71deb812f379a0ddc53d38704414873c"
Note: switching to '8a3c1a5b71deb812f379a0ddc53d38704414873c'.
HEAD is now at 8a3c1a5 first file
E:\University\level4\first semester\software engineering\labs\lab1>
```
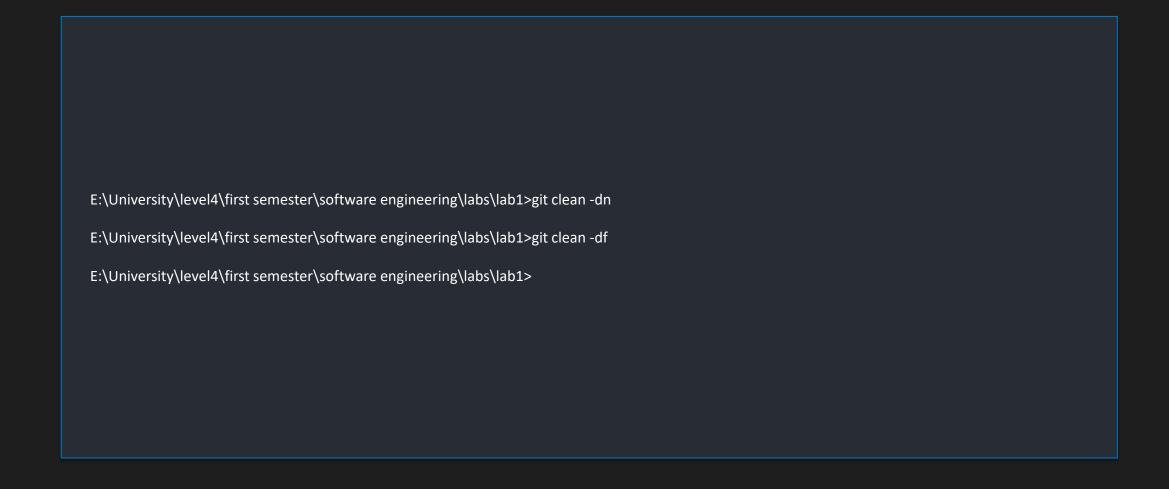
Example 5

```
E:\University\level4\first semester\software engineering\labs\lab1>git branch
* (HEAD detached at 8a3c1a5)
  master

E:\University\level4\first semester\software engineering\labs\lab1>git branch test_branch

E:\University\level4\first semester\software engineering\labs\lab1>
```
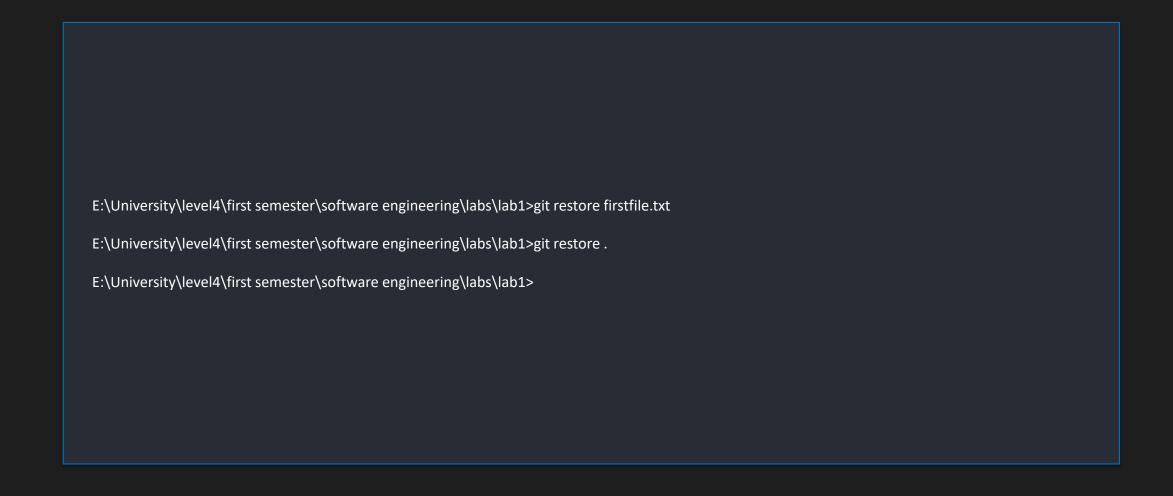
Example 6

```
E:\University\level4\first semester\software engineering\labs\lab1>git checkout test_branch
Switched to branch 'test_branch'

E:\University\level4\first semester\software engineering\labs\lab1>git switch test_branch
Already on 'test_branch'
E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 7

```
E:\University\level4\first semester\software engineering\labs\lab1>git merge test_branch
Already up to date.

E:\University\level4\first semester\software engineering\labs\lab1>git ls-files
firstfile.txt

E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 8

```
E:\University\level4\first semester\software engineering\labs\lab1>git clean -dn

E:\University\level4\first semester\software engineering\labs\lab1>git clean -df

E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 9

```
E:\University\level4\first semester\software engineering\labs\lab1>git restore firstfile.txt

E:\University\level4\first semester\software engineering\labs\lab1>git restore .

E:\University\level4\first semester\software engineering\labs\lab1>
```

Example 10

```
E:\University\level4\first semester\software engineering\labs\lab1>git reset firstfile.txt
E:\University\level4\first semester\software engineering\labs\lab1>git rm firstfile.txt
rm 'firstfile.txt'
E:\University\level4\first semester\software engineering\labs\lab1>
```

The End