1. Create a public remote repository on github.com
2. Clone you repository using git CLI.
3. Using git CLI, in 'main' branch:
   1. Create 'index.html' file with any content in it and commit it
   2. Change the content of the file one or more times so that the file has a history
4. Using git CLI, in 'develop' branch create files:

   a. README.md with the following content:

```
Hello, world!
```
b. LICENCE.md with the following content:
```
copyright (c) <year> <copyright holders>

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SOFTWARE.
```
4. Merge 'develop' into 'main' using merge command
5. Push local changes to the remote repository
In your homework submission:
- provide the link to your public repository.
- provide console log (including your input and output)
Make sure you provide a meaningful commit message for each of your commits

1 Create a public remote repository on github.com

Than it is needed to Create readme file and change it

Press commit changes
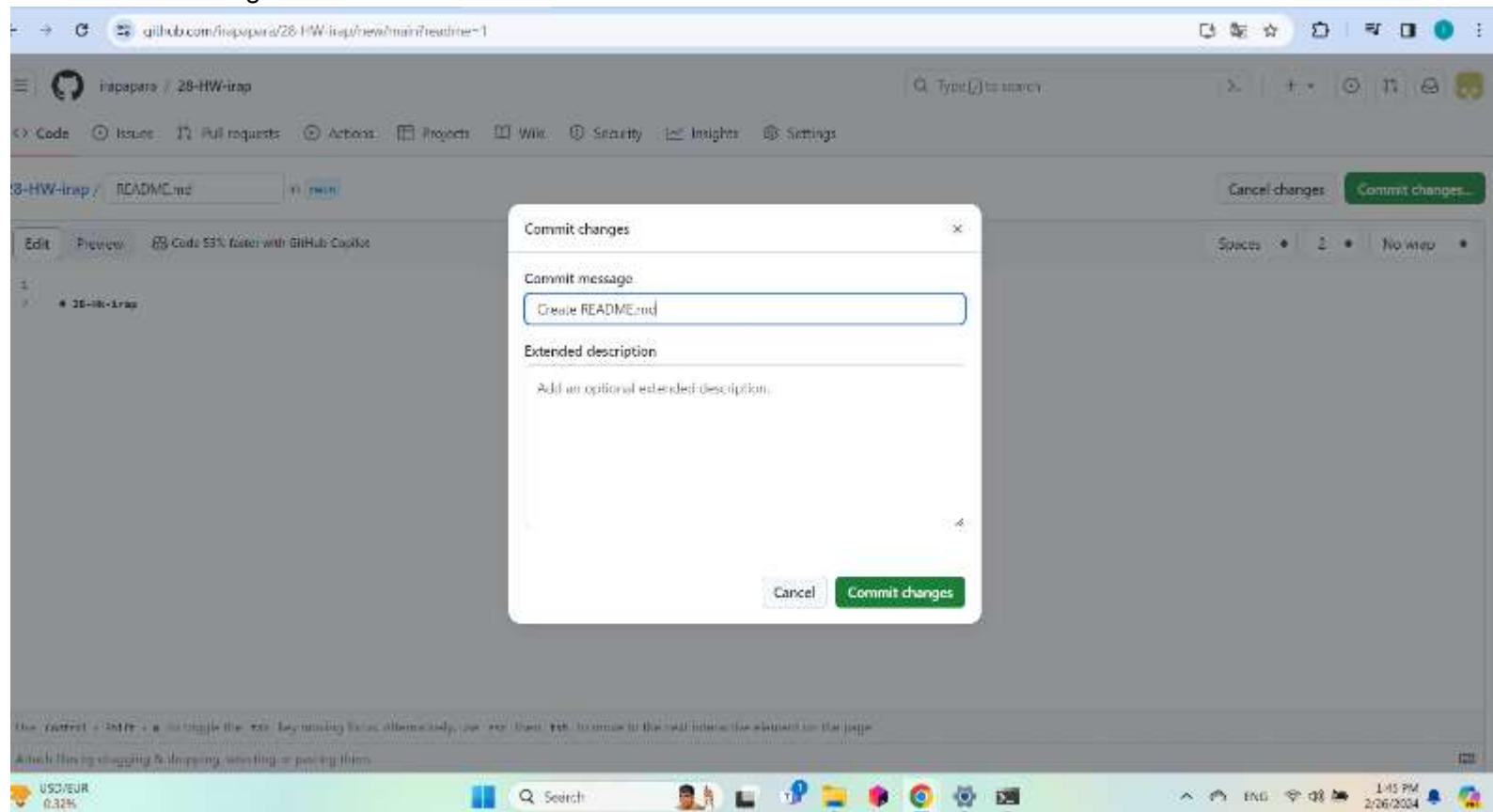
Now we have readme file

2 **Clone you repository using git CLI.**

We need to create new path in local computer in cmd

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW>cd..

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece>mkdir 28HW_1

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece>cd 28HW_1

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1>
```
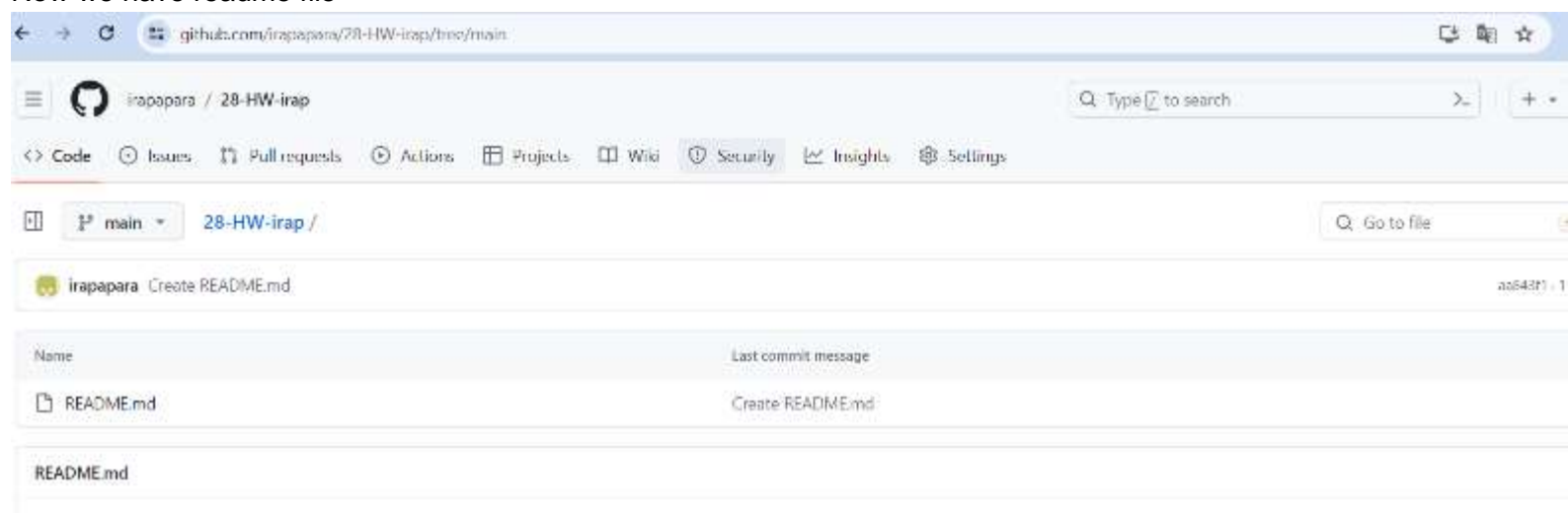
Let us clone now

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1>git clone git@github.com:irapapara/28-HW-irap.git
Cloning into '28-HW-irap'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

Let us check on which branch we are

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1>git checkout -b main
Switched to a new branch 'main'
```

Let us create a file index.html

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>echo "privet" > index.html

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git add .\index.html
```

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git commit
[main b6bbc87] 1
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
```

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 282 bytes | 282.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:irapapara/28-HW-irap.git
   aa843f1..b6bbc87  main -> main
```

We can see a new file in github

Let us change index.html

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>echo "privet valet" >> index.html
```

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git add .\index.html

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git commit
[main 53306be] 2
 1 file changed, 1 insertion(+)

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:irapapara/28-HW-irap.git
   b6bbc87..53306be  main -> main
```

We can see in github
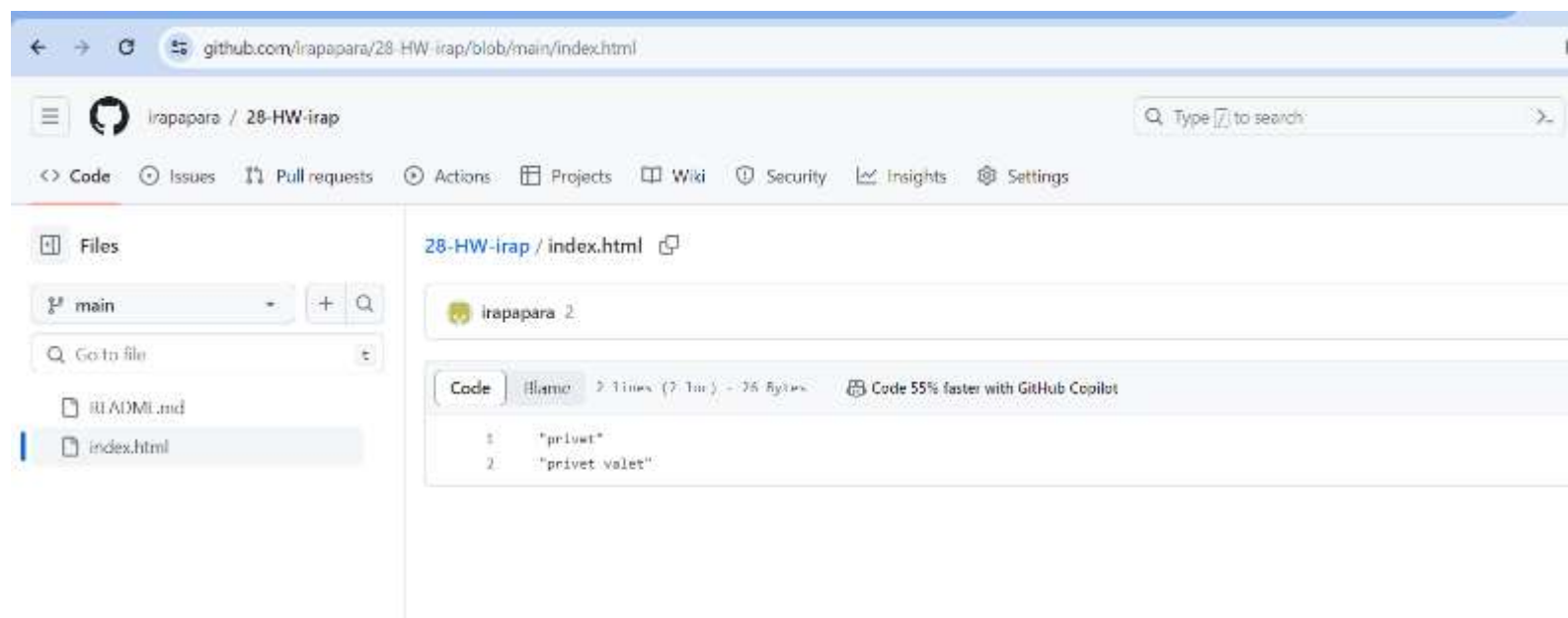
```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git checkout -b develop
Switched to a new branch 'develop'
```

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git status
On branch develop
nothing to commit, working tree clean
```

Let us create new file README.md

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>echo "Hello, world!" > README.md

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>dir
 Volume in drive C is Acer
 Volume Serial Number is 2C62-EA7F

 Directory of C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap

02/26/2024  08:08 PM    <DIR>          .
02/26/2024  02:17 PM    <DIR>          ..
02/26/2024  08:14 PM                28 index.html
02/26/2024  08:24 PM                18 README.md
               2 File(s)             46 bytes
               2 Dir(s)  910,052,929,536 bytes free
```

Let us create new file LICENCE.md with nano command

```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (develop)
$ nano LICENCE.md

irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (develop)
$ less LICENCE.md
```

```
C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git add README.md

C:\Users\irapa\OneDrive\Dokumente\Mentorpiece\28HW_1\28-HW-irap>git commit
[develop b21291b] 3
 1 file changed, 1 insertion(+), 2 deletions(-)
```
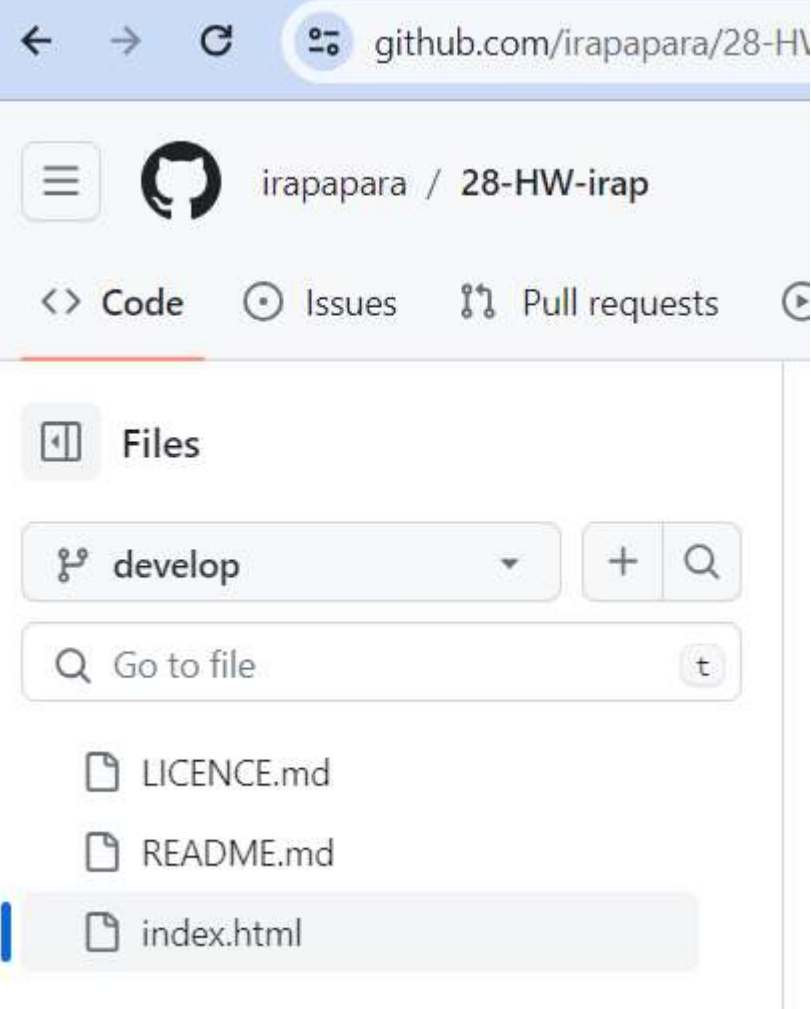
```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (develop)
$ git add LICENCE.md
```

```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (develop)
$ git commit
[develop 32872b5] 5
 1 file changed, 19 insertions(+)
 create mode 100644 LICENCE.md
```

```
$ git push --set-upstream origin develop
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 1.15 KiB | 392.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:      https://github.com/irapapara/28-HW-irap/pull/new/develop
remote:
To github.com:irapapara/28-HW-irap.git
 * [new branch]      develop -> develop
branch 'develop' set up to track 'origin/develop'.
```

We can see new files in github.com

4. Merge 'develop' into 'main' using merge command

```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (develop)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (main)
$ git merge develop
Updating 53306be..32872b5
Fast-forward
 LICENCE.md | 19 +++++++++++++++++++
 README.md  |  3 +--
 2 files changed, 20 insertions(+), 2 deletions(-)
 create mode 100644 LICENCE.md
```

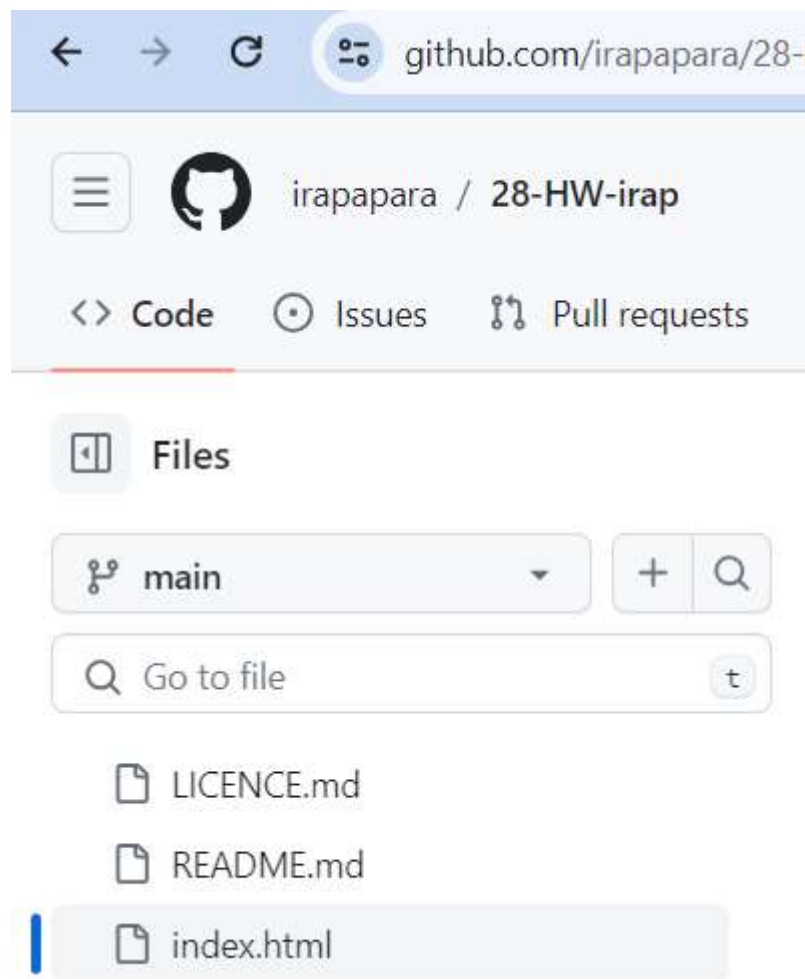5. Push local changes to the remote repository

```
irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (main)
$ git commit
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

irapa@Irina_Acer MINGW64 ~/OneDrive/Dokumente/Mentorpiece/28HW_1/28-HW-irap (main)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:irapapara/28-HW-irap.git
   53306be..32872b5  main -> main
```

We can see that main branch has all files now.

In your homework submission:
- provide the link to your public repository.

https://github.com/irapapara/28-HW-irap/tree/main

- provide console log (including your input and output)
Make sure you provide a meaningful commit message for each of your commits