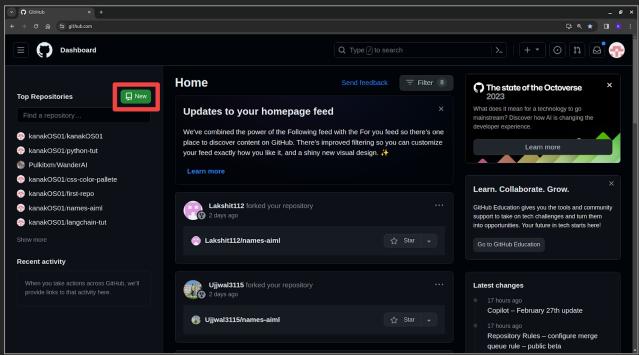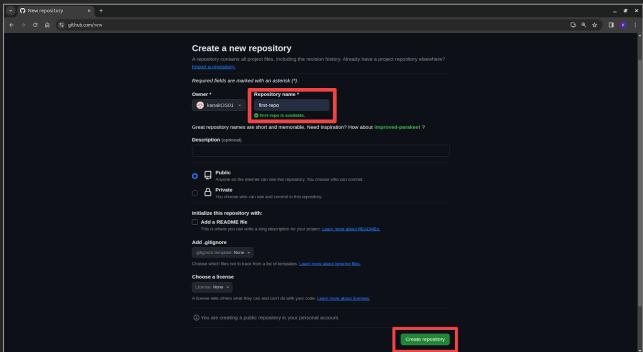# Creating repository

1. Go to https://github.com/new.

   Alternatively, you can go to https://github.com/ and click on the new button.

2. Enter the repository name and click create

3. Add the files on to the staging area and commit them.

```
→ first-repo git:(master) ✗ git add .
→ first-repo git:(master) ✗ git commit -m "initial commit"
[master (root-commit) c72022d] initial commit
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 a.txt
 create mode 100644 b.txt
 create mode 100644 c.txt
→ first-repo git:(master)
```

4. **git branch -M main**
   To rename the current branch(master) to main.

```
→ first-repo git:(master) git branch -M main
→ first-repo git:(main) ▊
```

5. **git remote add origin <repo-url>**
   Add a remote repo to your local machine folder.

   This command will add a remote repo(the url you have given) with the name **origin** (as per convention).
   You can check if the repo has been added using **git branch** or **git branch -v** command.

```
→ first-repo git:(main) git remote add origin https://github.com/kanakOS01/first-repo.git
→ first-repo git:(main) git remote
origin
→ first-repo git:(main) git remote -v
origin  git@github.com:kanakOS01/first-repo.git (fetch)
origin  git@github.com:kanakOS01/first-repo.git (push)
→ first-repo git:(main)
```

6. **git push -u origin main**
   This command is used to push the commits from the local main branch to the main branch of the remote repo named origin. The -u option sets up an upstream branch for the current(main) branch. This will allow you to simply use **git push** and **git pull** later on.

```
→ first-repo git:(main) git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 212 bytes | 212.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:kanakOS01/first-repo.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
→ first-repo git:(main)
```

Now, that you have successfully pushed your commits you can reload your github repo and the changes will reflect there.