




GitHub Startguide

CREATING A REPOSITORY

ON YOUR GITHUB ACCOUNT

1.  **LOCAL** → open Terminal and create a new project folder by typing:

```
mkdir <folder-name>
```

2. use **cd** (change directory) to navigate to that newly created folder:

```
cd <folder-name>
```

3. initialize this folder to become a git folder and type:

```
git init
```

4. add your files to the staging area by typing:

```
git add .
```

This will add everything in the current folder to git

optional → Before you type `git add`, you can create a `readme` file and then continue to add it:


- `touch readme.md` creates the file
- `echo "your-text" > readme.md` will write the text in the ""into your readme
- `cat readme.md` will read the text in the file to make sure it got there

5. commit the changes with a message by typing:

```
git commit -m "initial commit"
```

6.  **REMOTE** → create a new repo on gitHub :


- Go to the gitHub website and your account
- click on **new** button on the upper left side of the page
- add a repository name and select public (or private).

- click on **create repository** button
 - scroll down all the way to “...or push an existing repository from the command line” and copy the code underneath
7.  **LOCAL** → switch to Terminal and connect the local repo to the remote one:
- paste the code in the command line and hit enter
 - push the local repository to the remote one by typing

```
git push -u origin main
```
 - with `git status` you can check if all worked out

CREATING NEW BRANCHES / PULL REQUEST

AS TO WORK ON AN ISSUE OF AN EXISTING REPOSITORY

1.  **LOCAL** → open Terminal and navigate to the repository main branch
 - use `cd` (change directory) to get there
 - use `ls` (list) to list all possible destinations and `pwd` (print working directory) to show where you are at
2. get the latest changes from the remote repository by typing:


```
git fetch origin
```
3. create and switch to a new branch for the issue you want to work on by typing:

```
git checkout -b <branch-name>
```
4. work on the issue on you local computer as usual. Make changes to code, add files, etc.
5. add your changes to the staging area by typing:

```
git add .
```
6. commit the changes with a message by typing:


```
git commit -m "Example: Commit message"
```
7. push the new local branch to the remote gitHub repo by typing:

```
git push origin <branch-name>
```

8.  REMOTE → create a pull request by following these steps:

- Go to the gitHub repository in your browser
- click on **pull requests** tab
- click the **new pull request** button
- select main branch and the newly created branch from the dropdown menu
- review the changes and click on **create pull request**
- add a title and comment and click on **create pull request** again
- click the **create pull request** button to submit the request

9. merge the pull request

- if request is approved, message appears “ *This branch has no conflicts with the base branch*”. You can then merge changes into main branch by hitting **merge pull request**
- now add a commit message and hit **confirm merge**
- delete the remote child branch on github by clicking on **delete branch**

10.  LOCAL → switch back to Terminal and:

- copy the SSH link to it

```
git@github.com:jennywhitmore/we-share.git
```

- delete child branch locally as well by typing:

```
git branch -D <branch name>
```