Git branches let you add new features without tampering with the live version of your projects. And if you work in a team, different developers might have unique branches they work on.

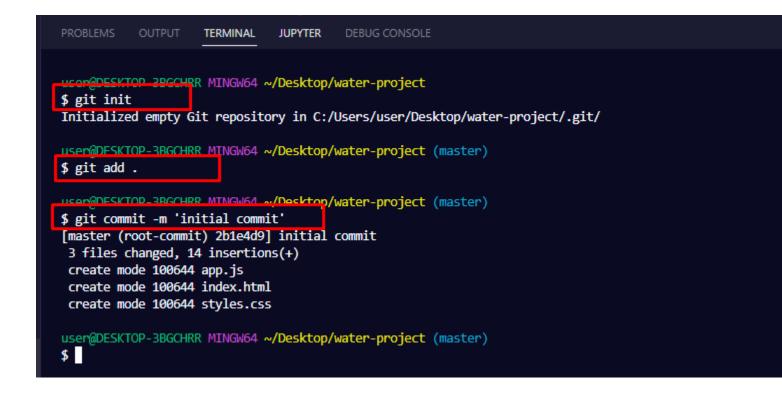
In the long run, you'll have to push those independent branches to a remote server. For example, GitHub, GitLab, and others.

In this article, I'll show you how to push a local git branch to a remote server. It doesn't matter whether you are yet to push at all. You might even have pushed your main branch and want to push another branch. I'm going to show you everything from scratch.

How to Push the Main Branch to Remote

If you want to push the main branch to remote, it's possible you're pushing for the first time. Before you attempt to push to remote, make sure you've executed these commands:

- git init for initializing a local repository
- git add. to add all your files that the local repository
- git commit -m 'commit message' to save the changes you made to those files



To push the main repo, you first have to add the remote server to Git by running git remote add <url>.

To confirm the remote has been added, run git remote -v:

To finally push the repo, run git push -u origin

-u orig

That's how you push the main branch for the first time.

How to Push a New Branch to Remote

If you have another branch you've worked at that you want to push to remote, you'll still use the git push command, but in a slightly different way. As a reminder, to create a new branch, you run git branch branch-name. And to switch to that branch so you can work there, you have to run git switch branch name Or git checkout branch-name.

To push the branch to the remote server, run git push –u origin
 branch name>. In my case, the name of that branch is bug-fixes. So, I have to run git push -u origin bug-fixes:

```
PROBLEMS
           OUTPUT
                    TERMINAL
                               JUPYTER
                                         DEBUG CONSOLE
$ git push -u origin bug-fixes
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 657 bytes | 328.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'bug-fixes' on GitHub by visiting:
             https://github.com/Ksound22/git-push-to-remote-article/pull/new/bug-fixes
remote:
To https://github.com/Ksound22/git-push-to-remote-article.git
                     bug-fixes -> bug-fixes
Branch 'bug-fixes' set up to track remote branch 'bug-fixes' from 'origin'.
user@DESKTOP-3BGCHRR MINGW64 ~/Desktop/water-project (bug-fixes)
```

To confirm that the branch has been pushed, head over to GitHub and click the branches drop-down. You should see the branch there:

