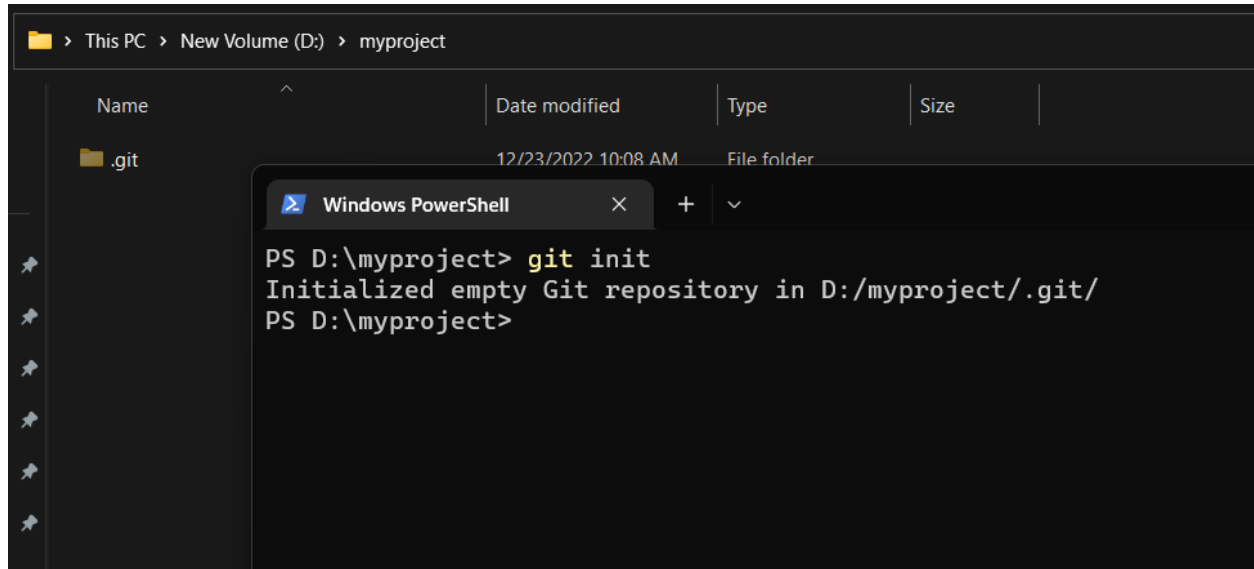


# Basic Git Commands

## git init

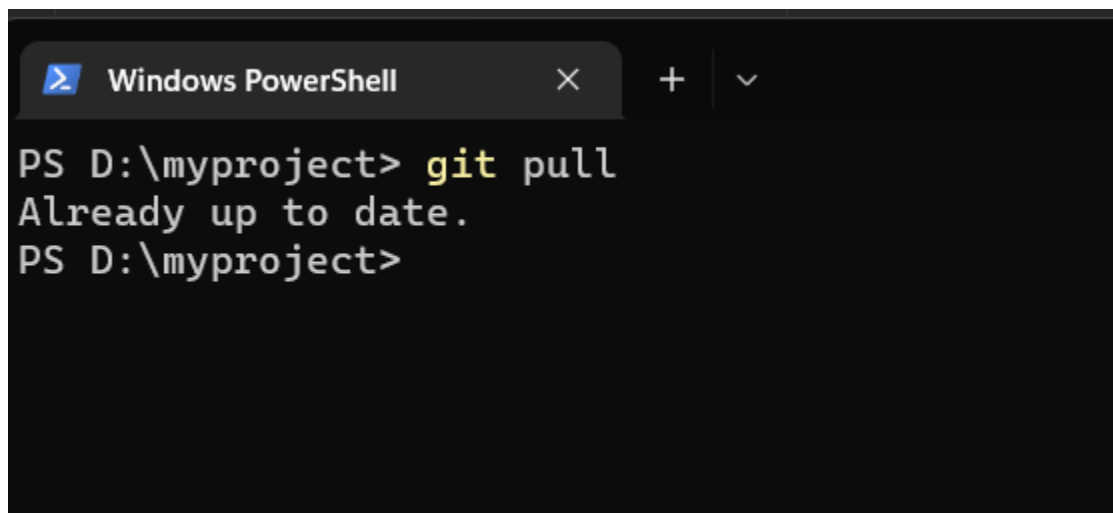
git init is a command used to create a new, empty Git repository.



```
PS D:\myproject> git init
Initialized empty Git repository in D:/myproject/.git/
PS D:\myproject>
```

## git pull

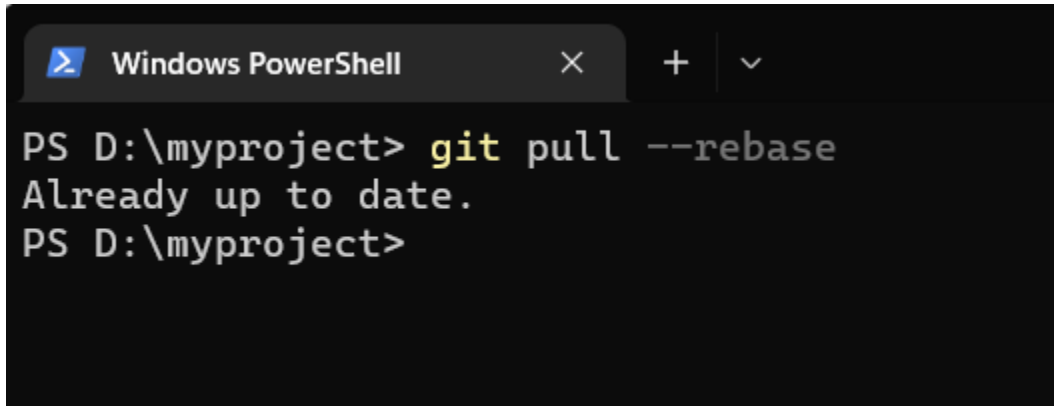
git pull is a command used to download and integrate changes from a remote repository into a local repository.



```
PS D:\myproject> git pull
Already up to date.
PS D:\myproject>
```

## git pull --rebase

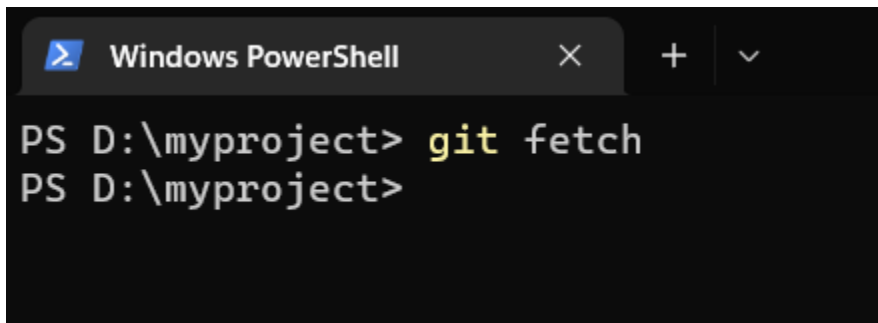
git pull --rebase is a command used to download and integrate changes from a specific branch of a remote repository into a local repository, using the "rebase" merge strategy.



```
Windows PowerShell
PS D:\myproject> git pull --rebase
Already up to date.
PS D:\myproject>
```

## git fetch

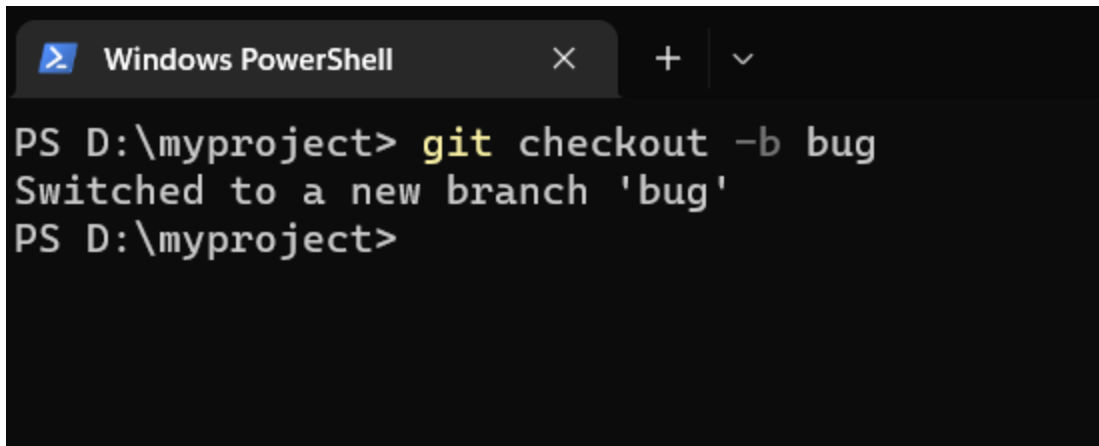
git fetch is a command used to download changes from a remote repository, but does not integrate those changes into the local repository. It is often used in conjunction with git merge to update the local repository with changes from a remote repository.



```
Windows PowerShell
PS D:\myproject> git fetch
PS D:\myproject>
```

## git checkout -b 'branch-name'

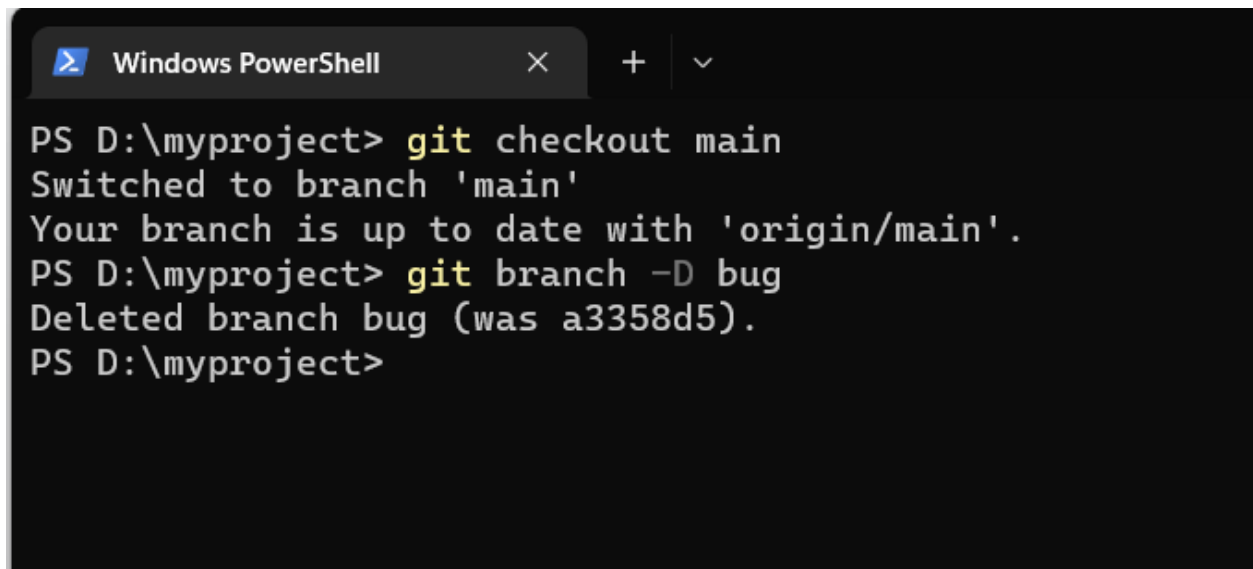
This command is used to create and checkout a new branch.



```
Windows PowerShell
PS D:\myproject> git checkout -b bug
Switched to a new branch 'bug'
PS D:\myproject>
```

### **git branch -D**

This command is used to force delete a local branch.



```
Windows PowerShell
PS D:\myproject> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS D:\myproject> git branch -D bug
Deleted branch bug (was a3358d5).
PS D:\myproject>
```

### **git checkout 'branch-name'**

This command is used to checkout to another branch.

```
Windows PowerShell
PS D:\myproject> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS D:\myproject>
```

### git remote add origin 'url'

This command is used to connect the local repo with the remote repo.

```
Windows PowerShell
PS D:\myproject> git status
On branch master
nothing to commit, working tree clean
PS D:\myproject> git branch -M main
PS D:\myproject> git status
On branch main
nothing to commit, working tree clean
PS D:\myproject> git remote add origin https://github.com/masumacse/myproject.git
PS D:\myproject>
```

### git remote -v

This command is used to see the remote repo links.

```
Windows PowerShell
PS D:\myproject> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS D:\myproject> git branch -D bug
Deleted branch bug (was a3358d5).
PS D:\myproject> git remote --v
origin  https://github.com/masumacse/myproject.git (fetch)
origin  https://github.com/masumacse/myproject.git (push)
PS D:\myproject>
```

## git diff

This command is used to show the differences between the staged files and unstaged files.

```
Windows PowerShell
PS D:\myproject> git diff
diff --git a/file.txt b/file.txt
index c57eff5..36a6bfc 100644
--- a/file.txt
+++ b/file.txt
@@ -1,2 @@
-Hello World!
\ No newline at end of file
+Hello World!
+My name is Masuma
\ No newline at end of file
PS D:\myproject>
```