GIT command and steps to save the file in remote repository.
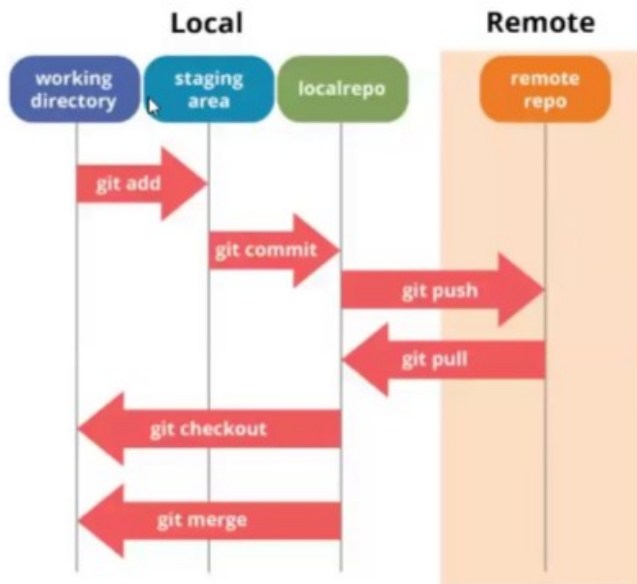

Git should be installed on your system, verify using command **git –version**.

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git --version
git version 2.47.1.windows.1
```

First command we need to use is **git init.** This will initialize the repository.

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (EdurekaBranch1)
$ git init
Initialized empty Git repository in C:/Users/ALLTECHACC/Documents/Gitrepo1/git_r
epoupload/.git/

ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
```

When we initialize the repository, .git will be created, this will be hidden file. To check if its created use the command. `ls -alrt`

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ ls -alrt
total 12
drwxr-xr-x 1 ALLTECHACC 197121    0 Feb 24 23:46 ./
drwxr-xr-x 1 ALLTECHACC 197121    0 Feb 24 23:46 .git/
-rw-r--r-- 1 ALLTECHACC 197121 1317 Feb 24 23:49 'Git notes.txt'
drwxr-xr-x 1 ALLTECHACC 197121    0 Feb 24 23:54 ../
```

Now we can check the status use the command **git status**

This is also to check if our changes are in sync or not. This is still in our **working directory.**

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Git notes.txt

nothing added to commit but untracked files present (use "git add" to track)
```

Now we need to add the file. Use the command git add and followed by name of the file.

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git add Git\ notes.txt
```

Now we can check the status, this is now ready to be committed, This is now in Staging area in same system.

Now we can commit the file using

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Git notes.txt
```

command **git commit -m "comments"**

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git commit -m "Learning GIT"
[master (root-commit) 3e62759] Learning GIT
 1 file changed, 37 insertions(+)
 create mode 100644 Git notes.txt
```

We need to configure with our email id. So that when we commit changes git will update who made the changes.

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git config user.email "sannunice4u@gmail.com"
```

Use the command git ls-files this will show the files in local directory. Now the files are in local directory.

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git ls-files
Git notes.txt
```

Use git log to check files, when and who committed and time.

We can
now
push
the file
to the

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git log
commit 3e627594ffe9ff0fc5b0b9721ca34511237b175d (HEAD -> master)
Author: santoshaar <*sannunice4u@gmail.com*>
Date:   Tue Feb 25 00:44:22 2025 +0530

    Learning GIT
```

repository using **git push . But before that we need to ad the remote repo.**

Now

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git remote add origin https://github.com/santoshaar/Gitlearn.git
```

give the command **git push origin master this will push to remote repository.**

**The files
are now
pushed to
remote
location
in master
git
repository.**

```
ALLTECHACC@Santopc MINGW64 ~/Documents/Gitrepo1/git_repoupload (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 895 bytes | 59.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/santoshaar/Gitlearn/pull/new/master
remote:
To https://github.com/santoshaar/Gitlearn.git
 * [new branch]      master -> master
```

master ▾ | 3 Branches ⬡ 0 Tags

Go to file   t   Add file ▾

This branch is 1 commit ahead of, 7 commits behind branch1 .   ⇅ C

santoshaar Learning GIT   3e62759 · 4 hours ago

📄 Git notes.txt   Learning GIT