

NAME: ISHIMWE Patrick

2. uwimanafrancoise
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5. ukundwasoleil
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The **git pull** command is used to fetch and download content from a remote repository and immediately update the local repository to match that content.

```
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git pull
Updating 45e4af2..17a92f2
Fast-forward
 h.html | 2 ++
 1 file changed, 2 insertions(+)
 create mode 100644 h.html
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$
```

The **git push** command is used to upload local repository content to a remote repository.

```
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use 'git pull' if you want to integrate the remote branch with yours)

nothing to commit, working tree clean
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git add .
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git commit -m"abana"
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.

nothing to commit, working tree clean
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git push
To https://github.com/uwimanafanny/suzana.git
 ! [rejected]    main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/uwimanafanny/suzana.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. If you want to integrate the remote changes,
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git push --force
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 626 bytes | 89.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/uwimanafanny/suzana.git
 + 962fbc0...45e4af2 main -> main (forced update)
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$
```

The **git fetch** command downloads commits, files, and refs from a remote repository into a local repo

```
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git fetch
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 914 bytes | 2.00 KiB/s, done.
From https://github.com/uwimanafanny/suzana
 45e4af2..17a92f2  main      -> origin/main
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$
```

. The **git log** command includes many options for displaying diffs with each commit.

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```
HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$ git log
commit 45e4af2955247cd6f7a7b2b505681a11ea861713 (HEAD -> main, origin/main, origin/HEAD)
Author: uwimanafanny <151722953+uwimanafanny@users.noreply.github.com>
Date: Mon Jun 10 10:34:16 2024 +0200

    assessment

commit cbbddddd0639f21bde0d8c88509b302bc4bb5799b
Merge: 89a6e36 399f7bd
Author: uwimanafanny <151722953+uwimanafanny@users.noreply.github.com>
Date: Thu May 30 11:07:05 2024 +0200

    Merge branch 'main' of https://github.com/uwimanafanny/suzana

commit 89a6e36e4c87a74817bbf994ed381a0aed528b42
Author: uwimanafanny <151722953+uwimanafanny@users.noreply.github.com>
Date: Thu May 30 11:05:06 2024 +0200

    -

commit 399f7bdfd1025635b048cbc1a6adb1bd6ab84405
Author: ukundwasoleil <150240412+ukundwasoleil@users.noreply.github.com>
Date: Thu May 30 10:46:28 2024 +0200

    Add files via upload

commit a8fc1363348b42bb359245cef8814e94c4040c13
Author: uwimanafanny <151722953+uwimanafanny@users.noreply.github.com>
Date: Thu May 30 10:38:00 2024 +0200

    Update README.md

commit 21574606ef221d41c57645df375781f62f643d26
Author: uwimanafanny <151722953+uwimanafanny@users.noreply.github.com>
Date: Thu May 30 10:30:22 2024 +0200

    Initial commit

HP@DESKTOP-6NSCUB2 MINGW64 ~/Desktop/suzana (main)
$
```