



# OKAN ÜNİVERSİTESİ

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İSTANBUL

ANDROID APP DEVELOPMENT

Levent YILDIZ

<http://www.leventyildiz.com.tr>

<https://github.com/lvntyldz>



installation

# OSX(MAC)

1. Open your terminal and install Git using Homebrew:

```
$ brew install git
```

2. Verify the installation was successful by typing which  
git --version:

```
$ git --version
git version 2.9.2
```

# Windows

## Git for Windows stand-alone installer

1. Download the latest [Git for Windows installer](#).
2. When you've successfully started the installer, you should see the **Git Setup** wizard screen. Follow the **Next** and **Finish** prompts to complete the installation. The default options are pretty sensible for most users.

[Download : https://gitforwindows.org/](https://gitforwindows.org/)

# Linux

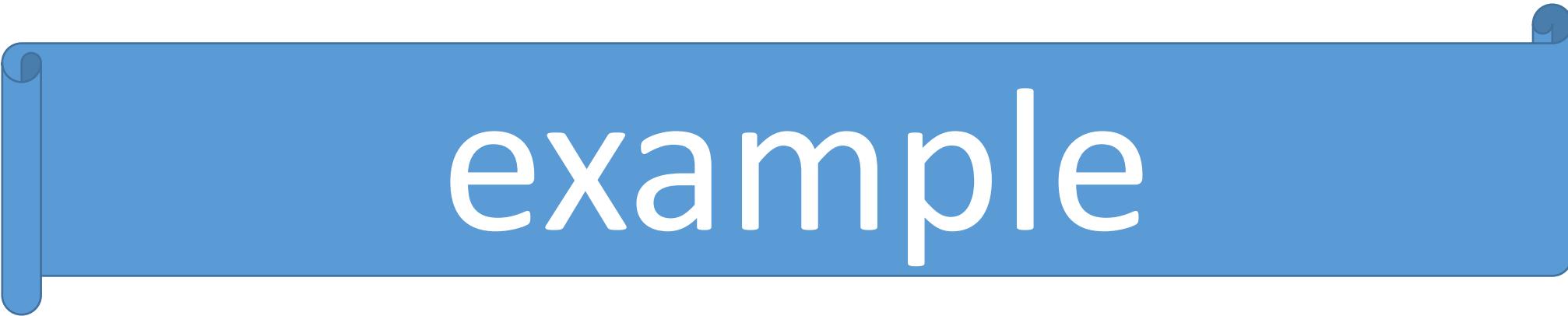
1. From your shell, install Git using apt-get:

```
$ sudo apt-get update  
$ sudo apt-get install git
```

2. Verify the installation was successful by typing

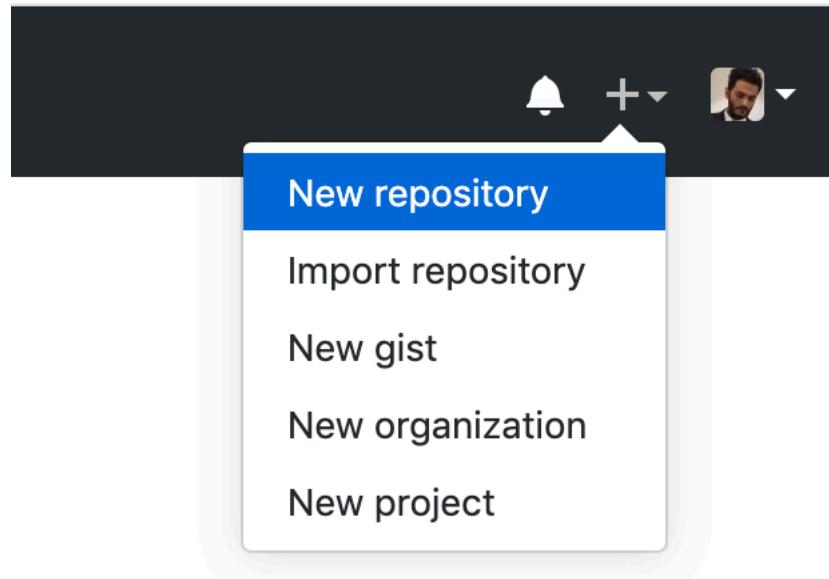
git --version:

```
$ git --version  
git version 2.9.2
```



example

# Create Repository



GIT : <https://github.com/lvntyldz>

# Create Repository

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Owner



lvntyldz

Repository name \*

/ mmot224



Great repository names are short and memorable. Need inspiration? How about **ubiquitous-fiesta**?

Description (optional)

hybird app development repo

 **Public**

Anyone can see this repository. You choose who can commit.

 **Private**

You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

**Initialize this repository with a README**

This will let you immediately clone the repository to your computer.

Add .gitignore: Java

Add a license: None



**Create repository**

# Create Repository

hybird app development repo

Edit

Manage topics

1 commit

1 branch

0 packages

0 releases

1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾

 Ivntyldz Initial commit

Latest commit 889bafe now

 .gitignore

Initial commit

now

 README.md

Initial commit

now

 README.md



 mmot224

hybird app development repo

# Global Config

Setting your email address for every repository on your computer

- 1 Open Terminal.
- 2 Set an email address in Git. You can use your GitHub-provided no-reply email address or any email address.

```
$ git config --global user.email "email@example.com"
```

- 3 Confirm that you have set the email address correctly in Git:

```
$ git config --global user.email  
email@example.com
```

# Clone And Change

```
$ git clone https://github.com/lvntyldz/mmot224
```

```
$ cd mmot224/
```

```
$ touch a.txt
```

```
$ vi a.txt
```

```
$ git status
```

# Commit And Push

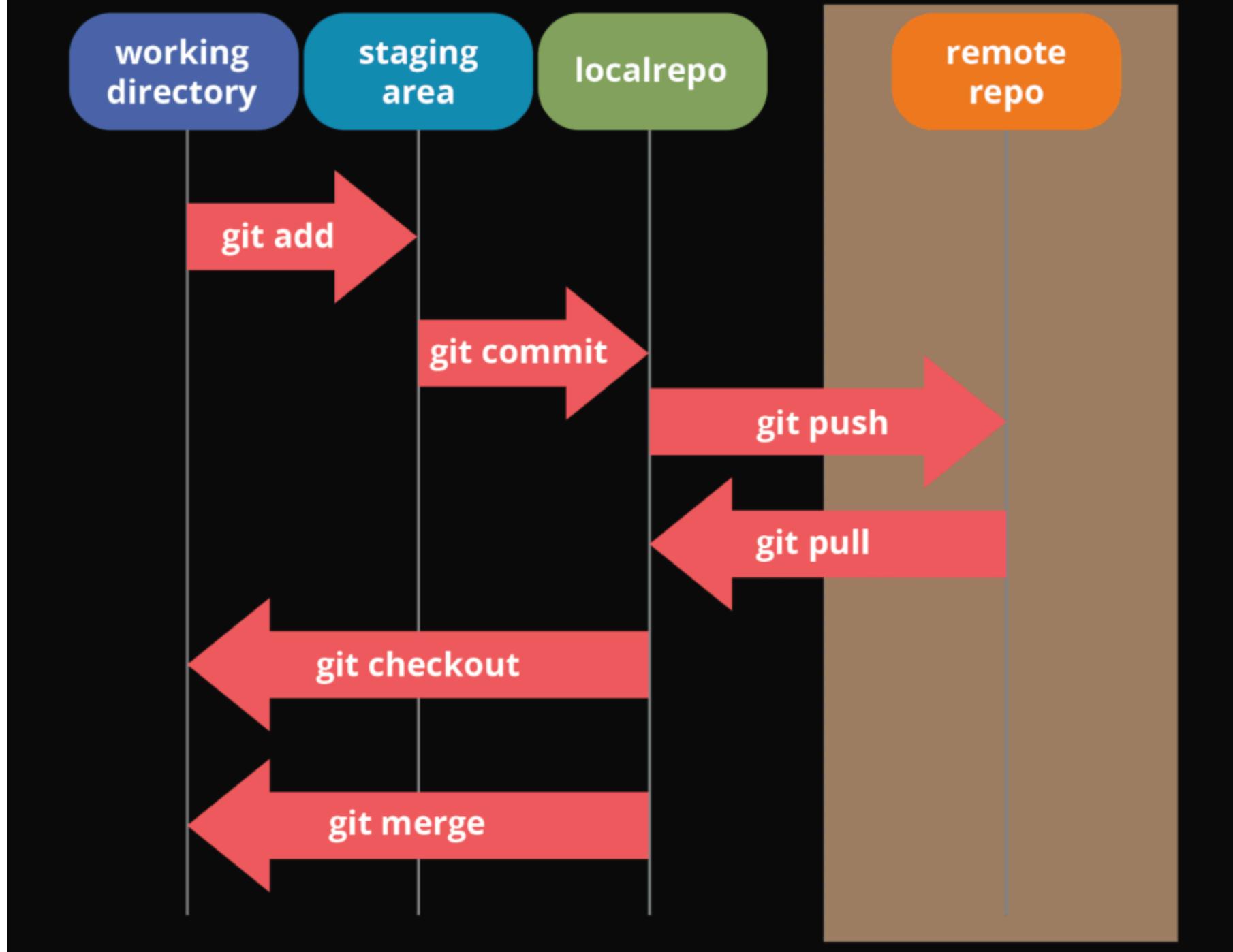
```
$ git add -A
```

```
$ git commit -m "a.txt added"
```

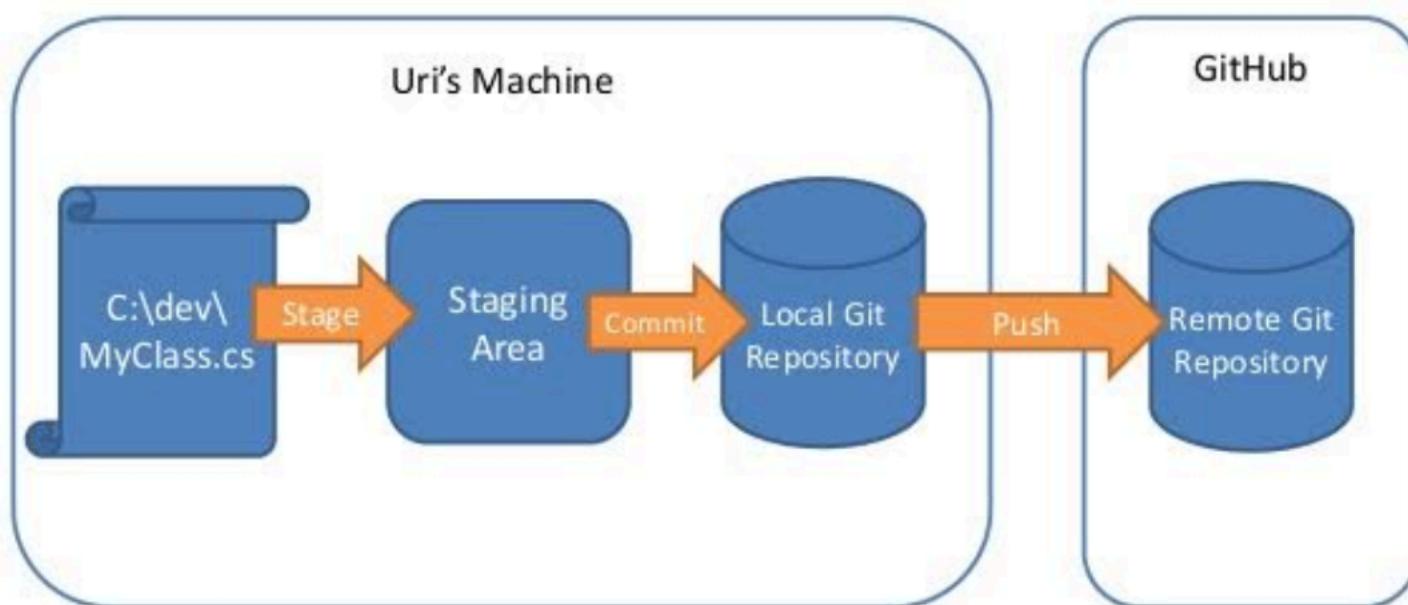
```
$ git push
```

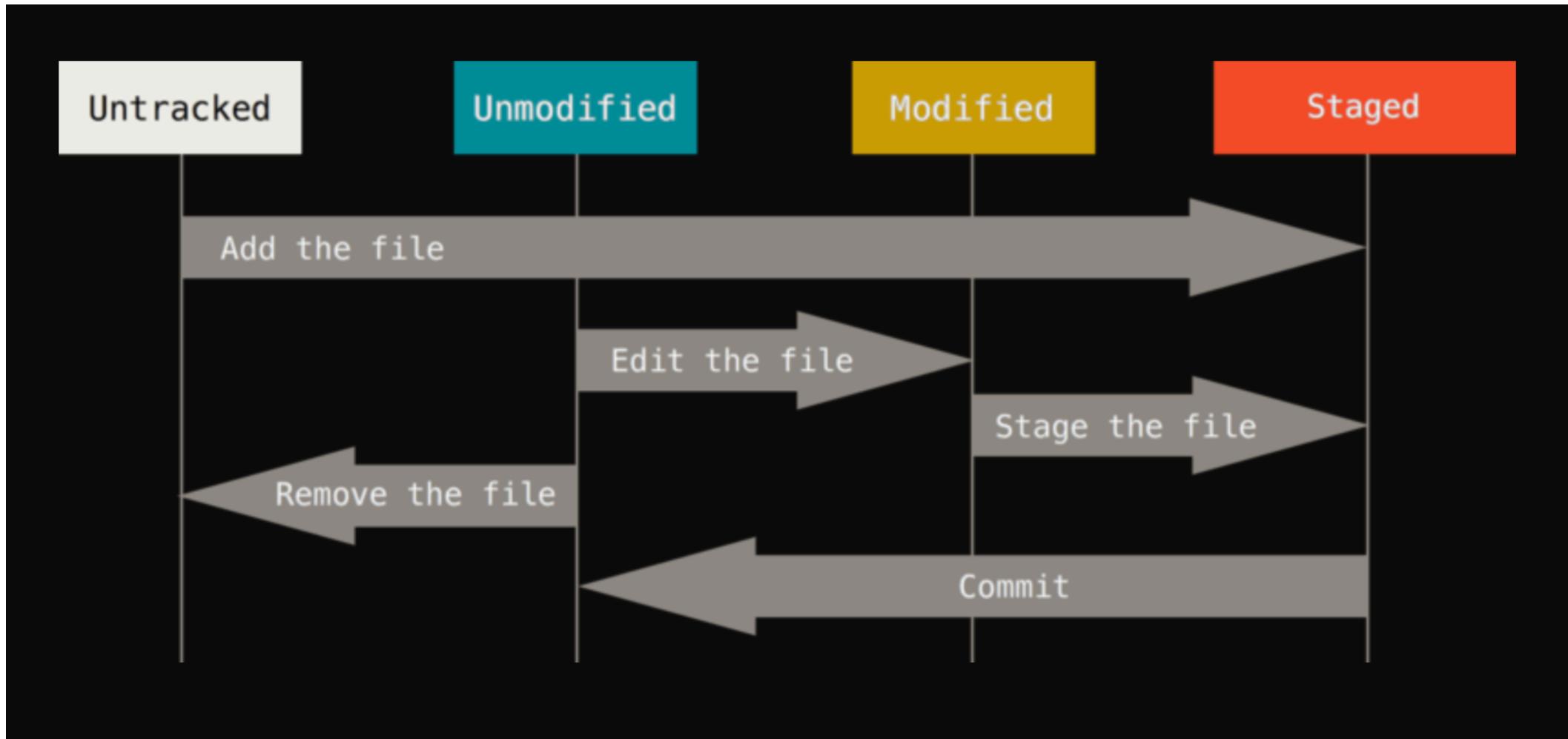


lifecycle



# Lifecycle of a Change





# Top Commands

## git config

Usage: `git config --global user.name "[name]"`

Usage: `git config --global user.email "[email address]"`

This command sets the author name and email address respectively to be used with your commits.

```
edureka@master:~$ git config --global user.name "sahitikappagantula"
edureka@master:~$ git config --global user.email "sahiti.kappagantula@edureka.co"
```

## git init

Usage: `git init [repository name]`

This command is used to start a new repository.

```
edureka@master:~$ git init /home/edureka/Documents/DEMO
Initialized empty Git repository in /home/edureka/Documents/DEMO/.git/
```

## git clone

Usage: `git clone [url]`

This command is used to obtain a repository from an existing URL.

```
edureka@master:~$ git clone https://github.com/sahitikappagantula/gitexample.git
Cloning into 'gitexample'...
remote: Counting objects: 28, done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 28 (delta 5), reused 28 (delta 5), pack-reused 0
Unpacking objects: 100% (28/28), done.
```

## git add

Usage: `git add [file]`

This command adds a file to the staging area.

```
edureka@master:~/Documents/DEMO$ git add project_1
```

Usage: `git add *`

This command adds one or more to the staging area.

```
edureka@master:~/Documents/DEMO$ git add *
```

## git commit

Usage: `git commit -m "[ Type in the commit message]"`

This command records or snapshots the file permanently in the version history.

```
edureka@master:~/Documents/DEMO$ git commit -m "First Commit"
[master (root-commit) aff3269] First Commit
 9 files changed, 200 insertions(+)
  create mode 100644 project_1/css/site.css
  create mode 100644 project_1/fonts/segoeui1.ttf
  create mode 100644 project_1/img/cloneWhite.svg
  create mode 100644 project_1/img/deployWhite.svg
  create mode 100644 project_1/img/lightbulbWhite.svg
  create mode 100644 project_1/img/stackWhite.svg
  create mode 100644 project_1/img/successCloudNew.svg
  create mode 100644 project_1/img/tweetThis.svg
  create mode 100644 project_1/index.html
```

Usage: `git commit -a`

This command commits any files you've added with the git add command and also commits any files you've changed since then.

```
edureka@master:~/Documents/DEMO$ git commit -a
On branch master
nothing to commit, working tree clean
```

## git diff

Usage: `git diff`

`Usage: git diff --staged`

This command shows the differences between the files in the staging area and the latest version present.

`Usage: git diff [first branch] [second branch]`

This command shows the differences between the two branches mentioned.

## git reset

Usage: `git reset [file]`

This command unstages the file, but it preserves the file contents.

```
edureka@master:~/Documents/DEMO/project_1/css$ git reset site.css
Unstaged changes after reset:
M      project_1/css/site.css
M      project_1/index.html
```

## git status

Usage: `git status`

This command lists all the files that have to be committed.

```
edureka@master:~/Documents/DEMO$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   project_1/css/site.css
        modified:   project_1/index.html

no changes added to commit (use "git add" and/or "git commit -a")
```

## git rm

Usage: `git rm [file]`

This command deletes the file from your working directory and stages the deletion.

```
edureka@master:~/Documents/DEMO/project_2$ git rm example.txt
rm 'project_2/example.txt'
```

## git log

Usage: `git log`

This command is used to list the version history for the current branch.

```
edureka@master:~/Documents/DEMO$ git log
commit 09bb8e3f996eaf9a68ac5ba8d8b8fcceb0e8641e7 (HEAD -> master)
Author: sahitikappagantula <sahiti.kappagantula@edureka.co>
Date:   Fri Jul 20 12:25:17 2018 +0530

    Changes made in HTML and CSS file
```

## git branch

Usage: `git branch`

This command lists all the local branches in the current repository.

```
edureka@master:~/Documents/DEMO$ git branch  
* master
```

Usage: `git branch [branch name]`

This command creates a new branch.

```
edureka@master:~/Documents/DEMO$ git branch branch_1
```

Usage: `git branch -d [branch name]`

This command deletes the feature branch.

```
edureka@master:~/Documents/DEMO$ git branch -d branch_1  
Deleted branch branch_1 (was be040cc).
```

## git checkout

Usage: `git checkout [branch name]`

## git push

Usage: `git push [variable name] master`

This command sends the committed changes of master branch to your remote repository.

```
edureka@master:~/Documents/DEMO$ git push origin master
Username for 'https://github.com': sahitikappagantula
Password for 'https://sahitikappagantula@github.com':
Counting objects: 42, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (32/32), done.
Writing objects: 100% (42/42), 463.10 KiB | 3.62 MiB/s, done.
Total 42 (delta 9), reused 0 (delta 0)
remote: Resolving deltas: 100% (9/9), done.
To https://github.com/sahitikappagantula/GitDemo.git
 * [new branch]      master -> master
```

## git pull

Usage: `git pull [Repository Link]`

This command fetches and merges changes on the remote server to your working directory.

```
edureka@master:~/Documents/DEMO$ git pull https://github.com/sahitkappagantula/gitlearn.git
warning: no common commits
remote: Counting objects: 13, done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 13 (delta 1), reused 10 (delta 1), pack-reused 0
Unpacking objects: 100% (13/13), done.
From https://github.com/sahitkappagantula/gitlearn
 * branch            HEAD      -> FETCH_HEAD
fatal: refusing to merge unrelated histories
```

# git stash

Usage: `git stash save`

This command temporarily stores all the modified tracked files.

```
edureka@master:~/Documents/DEMO/project_1$ git stash save
Saved working directory and index state WIP on branch_2: 5152fcd Index.html updated
```

Usage: `git stash pop`

This command restores the most recently stashed files.

```
edureka@master:~/Documents/DEMO/project_1$ git stash pop
On branch branch_2
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (365fa2ef6ed4f1f8d7d406bd0abb205279aad0c5)
```

Usage: `git stash list`

This command lists all stashed changesets.

```
edureka@master:~/Documents/DEMO/project_1$ git stash list
stash@{0}: WIP on master: 5f6ba20 Merge branch 'branch_2'
```

Usage: `git stash drop`

This command discards the most recently stashed changeset.

# TEŞEKKÜRLER..

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