How to Git

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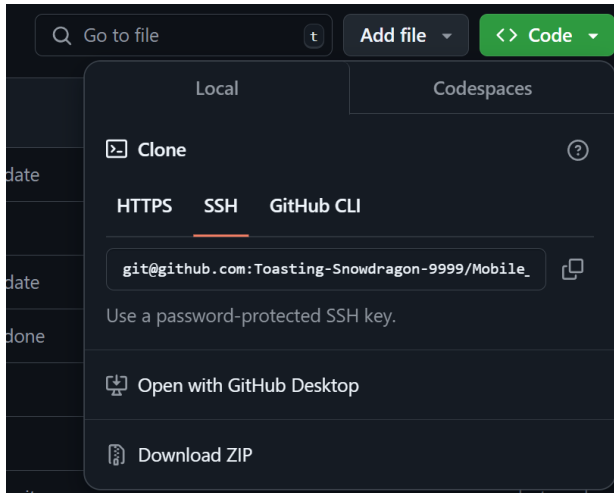
Nice to know commands

$ git clone <URL>
$ git checkout <branch / version>
    $ git checkout -b <branch name>   #create and checkout to branch
$ git branch
    $ git branch <branch name>   # create new branch
    $ git branch -a   # list all local and remote branches
    $ git branch --list   # list branches and the one you're on
    $ git branch -d <branch name>   # delete branch
$ git merge <Branch you want to merge>
$ git add <Files to add>
    $ git add .   # . will add all changes
$ git commit -m <Your message>
$ git push   # update github repository
$ git pull   # update your local repository
$ git status

1) How to clone repositories

Go to the repository on github or other git websites, find this:

Make sure to use SSH.

Then type "git clone <URL>"

2) When to git pull

Before starting your day in your shared repo always use "git status" and "git pull" to make sure that your repo is up to date with the other members.

Before pushing to github, always git pull

3) How to merge

When merging, switch to the branch that you want to merge everything into:

    $ git checkout <main branch>

Then git status and git pull to make sure your main branch is up to date.

    $ git pull

Now everything should be up to date, now you can merge your development branch into the main branch.

    $ git merge <your branch>

Your branch is the one you checked out from.

4) Git status information

Current branch name

If your current branch is up to date or not

Number of commits your branch is behind

Changes that are stated and not committed yet

Changes not staged yet

Un-tracked files

```
t/website-syncfusiondotcom (New-branch)
$ git status
On branch New-branch
Your branch is up to date with 'origin/New-branch'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   Syncfusion.Website.MvcApplication/Scripts/Syncfusion/Sales/P
ayPalExpressCheckout.js
        modified:   Syncfusion.Website.MvcApplication/Syncfusion.Website.MvcAppl
ication.csproj
        modified:   Syncfusion.Website.MvcApplication/Web.config

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