### **Git Cheat Sheet**

#### **Basic Workflow**

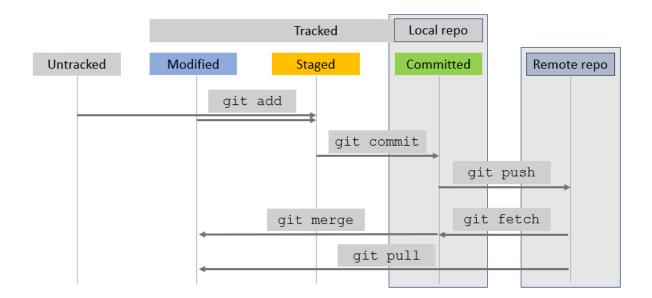
git init :: turn current directory into git repository.
git add <file> :: stage the file for commit i.e. track changes.
git commit :: confirm changes with message/explanation.

git push :: publish/back-up changes on GitHub (remote server).

### Syncing with GitHub

git clone <copied-url> :: download remote into new local repository

git fetch :: brings in information on changes from the remote



### **Checking for Changes**

git status :: show which files have been tracked or modified.

git diff <file> :: show difference between current file and last commit.

git log <file> :: show commit history [for optional <file>]

### **Other Useful Commands**

git rm <file> :: delete file and remove from repository.

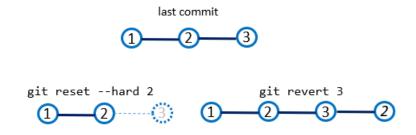
git rm --cached <file> :: delete file from repository, but keep local copy.
git mv <file> <new name> :: rename file, and keep tracking same history.

git remote -v :: check url for tracked remote repository

git <command> --help :: open help documentation for any command!

## **Using Branches**

# **Undoing Mistakes**



## **Checking git settings**

```
git config --global -l :: Check global username and email settings
git config --local -l :: Check local repository settings e.g., path to remote repository
git config --global core.editor notepad :: Change editor used for commit messages to notepad (modify to choose other).
```

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**Note:** In the examples above, <path> is a more general name for <file>, so these options can be used interchangeably. <path> can point to either a file or directory name, with option of including full directory structure (relative to wherever you run the command).