Create a repository

1. clear screen

clear

2. change directory to folder **planets**

cd Desktop/planets

3. create an empty repository (or reinitialize an existing one)

git init

it prints out:

Initialized empty Git repository in /Users/nicoleyin88/Desktop/planets/.git/

4. see what’s in the repository

ls -a

it prints out:

. .. .git

5. to see status

git status

it prints out:

On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

Quiz

**Question 1**: Along with tracking information about planets (the project we have already created), Dracula would also like to track information about moons. Despite Wolfman’s concerns, Dracula creates a moons project inside his planets project with the following sequence of commands:

$ cd ~/Desktop # return to Desktop directory

$ cd planets # go into planets directory, which is already a Git repository

$ ls -a # ensure the .git subdirectory is still present in the planets directory

$ mkdir moons # make a subdirectory planets/moons

$ cd moons # go into moons subdirectory

$ git init # make the moons subdirectory a Git repository

$ ls -a # ensure the .git subdirectory is present indicating we have created a new Git repository

Is the git init command, run inside the moons subdirectory, required for tracking files stored in the moons subdirectory?

**Answer**: No.

Since the directory planets is set up as a repository, git will track all changes inside this directory, including any changes to subdirectories (e.g. moons).

**Question 2**: Wolfman explains to Dracula how a nested repository is redundant and may cause confusion down the road. Dracula would like to remove the nested repository. How can Dracula undo his last git init in the moons subdirectory?

But be careful! Running this command in the wrong directory, will remove the entire Git history of a project you might want to keep. Therefore, always check your current directory using the command pwd.

**Answer**:Just remove the .git for subdirectory moons:

rm -rf moons/.git