**Step 0: Install git and create a GitHub account**

The first two things you'll want to do are install git and create a free GitHub account.

**Step 1: Create a local git repository**

To begin, open up a terminal and move to where you want to place the project on your local machine using the cd (change directory) command. For example, if you have a 'projects' folder on your desktop, you'd do something like:

$ cd ~/Desktop

$ mkdir myproject

$ cd myproject/

To initialize a git repository in the root of the folder, run the git init command:

$ git clone https://...................

Initialized empty Git repository in /Users /Desktop/myproject/.git/

**Step 2: Add a new file to the repo**

$ touch sample.txt

$ ls

index.txt

After creating the new file, you can use the git status command to see which files git knows exist.

$ git status

On branch master

Initial commit

Untracked files:

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

sample.txt

nothing added to commit but untracked files present (use "git add" to track)

To add a file to a commit, you first need to add it to the staging environment. To do this, you can use the git add <filename> command (see Step 3 below).

**Step 3: Add a file to the staging environment**

Add a file to the staging environment using the git add command.

$ git status

On branch master

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: sample.txt

**Step 4: Create a commit**

It's time to create your first commit!

Run the command git commit -m "Your message about the commit"

$ git commit -m "This is my first commit!"

[master (root-commit) b345d9a] This is my first commit!

1 file changed, 1 insertion(+)

create mode 100644 sample.txt

**Step 5: Create a new branch**

$ git branch future-plans

Checkout the new branch you just created to start using it.

$ git checkout future-plans

Create a file

Enter git status in the terminal window. You will see something like this:

$ git status

Stage your file.

$ git add stationlocations

. Enter the git commit command in the terminal window, as shown with the following:

$ git commit -m 'making a change in a branch'

**Step 6: pushing the commit**

Switch to the master branch.

$ git checkout master

Merge changes from the future-plans branch into the master branch. It will look something like this:

$ git merge future-plans

From the repository directory in your terminal window, enter git push origin master to push the changes. It will result in something like this:

$ git push origin master