Getting Started with Git

Step1: Check if **git** is installed

Spotlight Search – type “terminal” – type git --version

Step2: Let **git** know your name and email

Type git config --global user.name “Nicole”

Type git config --global user.email “queenqueen89@gmail.com”

Step3: Change Working Directory to the main project folder “Sites”

(1) Create a folder on the desktop and name it to “Sites”

(2) Check the current working directory:

Type pwd – this means Print Working Directory – this gives “/Users/nicoleyin88”

(3) Change working directory to the folder “Sites”:

\* Method 1: Type cd Sites – hit “Enter”

\* Method 2: Type cd (cd = changing directory) + space + drag the folder “Sites” to terminal – hit “Enter” – Type pwd again – you’ll see an updated working directory

Step 4: Change Working directory to the subfolder “hello-world”

(1) Type mkdir “hello-world” (mkdir = make directory) – a new folder names “hello-world” is created under the folder “Sites”

(2) Change working directory to the folder “hello-world”

\* Method 1: Type cd hello-world – hit “Enter”

\* Method 2: Type cd + space + drag the folder “hello-world” to terminal – hit “Enter”

Step6: Create a Repo (repository, similar to a project in RStudio)

Type git init – hit “Enter” – each subfolder in the folder “Sites” is a repo

Step8: Track how many changes made to the .html file

(1) Create an empty .html file

Type touch “index.html” – hit “Enter”

(2) Track changes to the “index.html” file

Type git status – hit “Enter” – it tells you made 1 change to the index.html file (it shows index.html)

Step9: Make a Commit to the Repo

(1) Type git add index.html – hit “Enter” – type git status – the .html file is committed (it shows new file: index.html)

(2) Type git commit -m ‘My first commit.’ (-m = add a message) – hit “Enter”

Step10: Restore your file

(1) Add a few lines to the file “index.html” – or just delete the file

(2) Type git checkout -- . – hit “Enter” – the file “index.html” in restored in the folder “hello-world”

Step11: Clone the repo in the folder “Sites” in your computer

Type cd + space + drag the main project folder “Sites” – hit “Enter” – type git clone https://githut.com/LearnWebCode/**hello-worldworldworld.git** – hit “Enter” – a new folder “hello-worldworldworld” is created in the folder “Sites”

Step12: Clone a repo from GitHub to the folder “Sites” in your computer

**Example 1**

(1) On GitHub website, create a repo and name it “travel-site”

(2) in terminal, type cd + space + drag the folder “Sites” to terminal – hit “Enter”

(3) in terminal, type git clone https://github.com/LearnWebCode/**travel-site.git** – hit “Enter” – a subfolder “sample” will be created under the folder “Sites”

(4) inside the “travel-site” folder – open the subfolder “app”

**Example 2**

(1) On GitHub website, create a repo and name it to “sample”

(2) in terminal, type cd + space + drag the folder “Sites” to terminal – hit “Enter”

(3) In terminal, type git clone https://github.com/queenqueen89/**sample.git** (where the sample files are located) – hit “Enter” – a subfolder “sample” will be created under the folder “Sites”

Step13: Push the repo from your computer to GitHub

(1) in terminal, type cd + space + drag the folder “travel-site” to terminal – hit “Enter”

(2) Check where “travel-site” is being pushed now

type git remote -v – You’ll see “travel-site” is being pushed to the author’s GitHub site

(3) Push the sample files to your destined GitHub Repo location

Type git remote set-url origin https://github.com/queenqueen89/travel-site.git - hit “Enter” – type git remote -v – hit “Enter”

(4) Push the repo

Type git push origin master – hit “Enter” – input username and password (this is a one-time thing) – the files will be uploaded to the designated repo on GitHub

Step 14: Update repo from computer to GitHub

(1) Delete a few line for “index.html” file – type git status – hit “Enter”

(2) type git add -A – hit “Enter” – type git status – hit “Enter”

(3) type git commit -m ‘Deleted two lines.’ – hit “Enter”

(4) type git push origin master – hit “Enter” – refresh GitHub page, you’ll see the description for the folder “app” is updated to “Deleted two lines.”