1. Hands On Exercises - Git

Git Get Started

# Exercise 1:

Stage all new, modified, and deleted files. Use the shorthand command:

git  

# Exercise 2:

Initialize Git on the current folder:

git 

# Exercise 3:

Set the user name for the current repository to "w3schools-test":

git config 

Git New Files

# Exercise 1:

Check the status of the Git:

git 

Git Staging Environment

# Exercise 1:

Add index.html to the Staging Enviornment:

git  index.html

# Exercise 2:

Stage all new, modified, and deleted files. Use the shorthand command:

git  

Git Commit

# Exercise 1:

Commit the changes to the current repository with the message "First release!"

git   "First release!"

# Exercise 2:

Check the compact version of the status for repository:

git  

# Exercise 3:

Commit the updated files directly, skipping the staging environment:

git   -m "New line added"

# Exercise 4:

View the history of commits for the repository:

git 

Git Help

# Exercise 1:

Show the possible options for the status command in command line:

git  

# Exercise 2:

Show all git possible commands in command line:

git  

Git Branch

# Exercise 1:

Create a new branch called hello-world-images:

git  

# Exercise 2:

List the existing branches:

git 

# Exercise 3:

Move to the hello-world-images branch:

git  

# Exercise 4:

Create, and move to a new branch with the name hello-you:

git   hello-you

Git Branch Merge

# Exercise 1:

Merge the hello-you branch with the current branch:

git  hello-you

# Exercise 2:

Remove the hello-you branch from the local repository:

git   hello-you

Git Remote Get Started

# Exercise 1:

Add a remote repository as an origin:

git    https://github.com/x/y.git

Git Pull From Remote

# Exercise 1:

pull is a combination of:

 and then 

# Exercise 2:

Get all the change history of the origin for this branch:

git  

# Exercise 3:

Merge the current branch with the branch master, on origin:

git  /

# Exercise 4:

Update the current branch from its origin using a single command:

git  origin

Git Pull From Remote

# Exercise 1:

pull is a combination of:

 and then 

# Exercise 2:

Get all the change history of the origin for this branch:

git  

# Exercise 3:

Merge the current branch with the branch master, on origin:

git  /

# Exercise 4:

Update the current branch from its origin using a single command:

git  origin

Git Push To Remote

# Exercise 1:

push the current branch to its default remote origin:

git  

Git Pull Branch From Remote

# Exercise 1:

List all local and remote branches of the current Git.

git  

# Exercise 2:

List only remote branches of the current Git.

git  

Git Clone

# Exercise 1:

Clone the repository: https://abc.com/x/y.git to your local Git:

git  

# Exercise 2:

Clone the repository https://abc.com/x/y.git to a folder named "newlife":

git   

# Exercise 3:

Rename the origin remote to upstream:

git    

Git .gitignore

# Exercise 1:

In .gitignore add a line to ignore all .temp files:



# Exercise 2:

In .gitignore add a line to ignore all files in any directory named temp:



# Exercise 3:

In .gitignore add a single line to ignore all files named temp1.log, temp2.log, and temp3.log:

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# Exercise 4:

In .gitignore, ignore all .log files, except main.log:



Git Remote Add SSH

# Exercise 1:

Add a new remote named ssh-origin connecting to x/y.git on abc.com using SSH:

git   ssh-origin git@:x/y.git

# Exercise 2:

Replace the remote URL for origin with x/y.git on abc.com using SSH:

git   origin git@:x/y.git

Git Revert

# Exercise 1:

Show the log of the repository, showing just 1 line per commit:

git  

# Exercise 2:

revert the latest commit:

git  

# Exercise 3:

revert the latest commit, skipping the commit message editor:

git revert HEAD 

# Exercise 4:

revert the two last commits:

git revert 

Git Reset

# Exercise 1:

reset to the commit with the hash abc1234:

git  

Git Amend

# Exercise:

Amend the previous commit to with the message "Updated index":

git    ""

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