**GIT Tips/ Interview Questions & Answers**

01) How do you start Git and what is the process called?

A) $ git init

The process is called initializing a git repository or creating new repository

02) How do you determine the current state of the project?

A) $ git status

03) How Can I Move all your changes since your last commit to the staging area.

A) $ git add .

04) How to Store the saved changes in the repository and add a message "first commit".

A) $ git commit -m "first commit"

05) Show a list of all the commits that have been made.

A) $ git log or $ git g

06) How do you put your local repository (repo) on the GitHub server?

A) a. create a new repository in github

b. get the SSH key (SSH stands for secure shell)

c. $ git remote add origin [SSH key - something like git@github.com…]

d. $ git push -u origin master

07) How to take a git project from GitHub to your local machine to work on it.

A) $ git pull origin master

Or, if you are taking a project that is not already on your local machine, use $ git clone.

08) What is the purpose of working off multiple branches.

A) You can create a separate branch when you are developing a feature, etc. and can commit to this branch separately. When the feature branch is working properly, you can merge it with the master branch.

09) Write the command to create a branch called working

A) $ git checkout -b working

10) How to list all of the branches.

A) $ git branch

11)How to switch to the working branch

A) $ git checkout working

12) How to merge the changes that were made in the working branch with the master branch.

A) $ git checkout master

$ git merge working

13) How to delete the working branch

A) $ git branch -d working

14) What is the command to Put everything up on the remote repository.

A) $ git push

15) Pull a branch from a remote repository and create the branch locally.

A) git checkout -b fix\_stuff origin/fix\_stuff

16) How to Make a directory called git\_test?

A) $ mkdir git\_test

17) How can I Change to git\_test directory ?

A) $ cd git\_test

18) How to make sure that you are in the right directory?

A) $ pwd

/Users/username/Desktop/git\_test

19) How Can I Initialize and empty git repository?

A) $ git init

20) How to Create a text file called form.txt

A) $ touch form.txt

21)Open readme.txt file with your text editor and add two lines of text:

This is the first line of text

This is the second line of text

Check the git status

A) $ git status

Notice that you are on the master branch and that changes have not been committed yet

22) How to Add the files to be committed?

A) $ git add new.txt

23) What is the command to Make your first commit?

A) $ git commit -m “first commit”

24) How to Add the changes and make a second commit?

A) $ git add .

$ git commit -m “Second commit”

25) How Can I Create a new branch called temp?

A) $ git checkout -b temp

26) How Can I check my Branch Status?

A) $ git branch or $ git b

27) Run a command to show the commits that have been made to the temp branch.

A) $ git log

28) How Can I Switch to the other branch?

A) $ git checkout other branch.

29) Add a line to the some.txt file and then throw out all changes since the last commit.

A) $ git reset --hard