Git Assignment 1

Install GIT & make sure it is added into PATH.

Use GIT as local VCS. Steps to follow:

1. Create a directory ‘project\_dir’ & cd to ‘project\_dir’.

Ans : C:\Users\shasheth>mkdir project\_dir

1. Initialize git version database. (git init)

Ans :

C:\Users\shasheth>cd project\_dir

1. Create a new file index.html.
2. Check the git status. You should find index.html as untracked file.

Ans : shasheth@IN-MUM-LDJC026 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Initial commit

Untracked files:

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

index.html

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

1. Stage the index.html file.

Ans : $ git add index.html

1. Commit index.html

Ans : $ git commit -m "first commit"

[master (root-commit) 7621743] first commit

Committer: Sheth <shachi-sudesh.sheth@capgemini.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly. Run the

following command and follow the instructions in your editor to edit

your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.html

1. Make few changes in index.html & create a new file info.txt file.
2. Check git status. You should find index.html & info.txt as untracked files.

Ans :

$ git status

On branch master

Changes not staged for commit:

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

(use "git checkout -- <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

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

info.txt

no changes added to commit (use "git add" and/or "git commit -a")

1. Configure GIT to ignore all txt files.
2. Again check the git status. You should find only index.html as untracked file.

Ans:

shasheth@IN-MUM-LDJC026 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes not staged for commit:

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

(use "git checkout -- <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

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

.gitignore

no changes added to commit (use "git add" and/or "git commit -a")

1. State & commit index.html

Ans

$ git add index.html

$ git commit -m "committed index.html"

[master 63dd98c] committed index.html

Committer: Sheth <shachi-sudesh.sheth@capgemini.com>

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your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 2 insertions(+)

1. Log all your comments so far.

Ans:

$ git log

commit 63dd98c83b08a631e47f2a22ef14828b03852dac (HEAD -> master)

Author: Sheth <shachi-sudesh.sheth@capgemini.com>

Date: Tue Mar 5 18:53:49 2019 +0530

committed index.html

commit 7621743c611105fed283d5a2017c3ad04636785b

Author: Sheth <shachi-sudesh.sheth@capgemini.com>

Date: Tue Mar 5 18:08:14 2019 +0530

first commit

1. Make some changes in index.html.
2. Revert the change made in the previous step using git command.

Ans:

$ git checkout index.html

1. Again change index.html.

Ans: Manually

1. Stage index.html

Ans:

$ git add index.html

1. Revert back the last stage.

Ans:

$ git reset HEAD index.html

Unstaged changes after reset:

M index.html

1. Rename ‘add’ command to ‘my-add’.

Ans:

$ git config --global alias.myadd add

1. Using my\_add command Stage index.html again & commit the changes.

Ans:

$ git myadd index.html

$ git commit -m "myadd added alias"

[master 85322fc] myadd added alias

Committer: Sheth <shachi-sudesh.sheth@capgemini.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 2 insertions(+)

1. Revert the last commit.

$ git revert -n 85322fc9f0fe9bb6cc42d6925b870eb83ca75f77