

Experiment 4

Git Experiments

Aim:

To study and practice commands for GIT and version control system

- Creation of Repository

```
#In a directory  
  
git init
```

- Committing a change

```
git commit -m "Updated stuffs"
```

- Stashing the change

```
git add .
```

- Removing the committing

```
git reset HEAD~
```

- Setting up a github remote

```
git remote add origin <remote url>
```

- Pushing to git remote

```
git push -u origin master
```

- Viewing the log

git log -p

```
vagrant@vagrant-ubuntu-trusty-64:~/devops$ ls
Hello.java  runnercode.py
vagrant@vagrant-ubuntu-trusty-64:~/devops$ ls
Hello.java  runnercode.py
vagrant@vagrant-ubuntu-trusty-64:~/devops$ echo "#DEVOPS" > README.md
vagrant@vagrant-ubuntu-trusty-64:~/devops$ git init
The program 'git' is currently not installed. To run 'git' please ask your administrator to install the package 'git'
vagrant@vagrant-ubuntu-trusty-64:~/devops$ sudo apt install git
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-arch git-bzr git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 1 not upgraded.
Need to get 3,459 kB of archives.
After this operation, 22.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu/ trusty/main liberror-perl all 0.17-1.1 [21.1 kB]
Get:2 http://archive.ubuntu.com/ubuntu/ trusty-updates/main git-man all 1:1.9.1-lubuntu0.10 [790 kB]
Get:3 http://archive.ubuntu.com/ubuntu/ trusty-updates/main git amd64 1:1.9.1-lubuntu0.10 [2,737 kB]
Fetched 3,459 kB in 5s (698 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 66235 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17-1.1_all.deb ...
Unpacking liberror-perl (0.17-1.1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a1.9.1-lubuntu0.10_all.deb ...
Unpacking git-man (1:1.9.1-lubuntu0.10) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a1.9.1-lubuntu0.10_amd64.deb ...
Unpacking git (1:1.9.1-lubuntu0.10) ...
Processing triggers for man-db (2.6.7.1-lubuntu1) ...
Setting up liberror-perl (0.17-1.1) ...
Setting up git-man (1:1.9.1-lubuntu0.10) ...
Setting up git (1:1.9.1-lubuntu0.10) ...
vagrant@vagrant-ubuntu-trusty-64:~/devops$ git init
Initialized empty Git repository in /home/vagrant/devops/.git/
vagrant@vagrant-ubuntu-trusty-64:~/devops$ git add .
vagrant@vagrant-ubuntu-trusty-64:~/devops$ git commit -m "Added files"
```

*** Please tell me who you are.

Run

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

(Reading database ... 66235 files and directories currently installed.)

Preparing to unpack .../liberror-perl_0.17-1.1_all.deb ...

Unpacking liberror-perl (0.17-1.1) ...

Selecting previously unselected package git-man.

Preparing to unpack .../git-man_1%3a1.9.1-lubuntu0.10_all.deb ...

Unpacking git-man (1:1.9.1-lubuntu0.10) ...

Selecting previously unselected package git.

Preparing to unpack .../git_1%3a1.9.1-lubuntu0.10_amd64.deb ...

Unpacking git (1:1.9.1-lubuntu0.10) ...

Processing triggers for man-db (2.6.7.1-lubuntu1) ...

Setting up liberror-perl (0.17-1.1) ...

Setting up git-man (1:1.9.1-lubuntu0.10) ...

Setting up git (1:1.9.1-lubuntu0.10) ...

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git init

Initialized empty Git repository in /home/vagrant/devops/.git/

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git add

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git commit -m "Added files"

*** Please tell me who you are.

Run

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

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

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: empty ident name (for <vagrant@vagrant-ubuntu-trusty-64:(none)>) not allowed

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git config --global user.email "aeres99@hotmail.com"

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git config --global user.name "Akuma"

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git init

Reinitialized existing Git repository in /home/vagrant/devops/.git/

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git add

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git commit -m "Added the files"

[master (root-commit) c7ef157] Added the files

3 files changed, 13 insertions(+)

create mode 100644 Hello.java

create mode 100644 README.md

create mode 100644 runnercode.py

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git remote add devops https://github.com/Aeres-u99/Devops.git

vagrant@vagrant-ubuntu-trusty-64:~/devops\$ git push -u devops master

Username for 'https://github.com': Aeres-u99

Password for 'https://github.com':

Counting objects: 5, done.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (5/5), 510 bytes | 0 bytes/s, done.

Total 5 (delta 0), reused 0 (delta 0)

To https://github.com/Aeres-u99/Devops.git

* [new branch] master -> master

Branch master set up to track remote branch master from devops.

vagrant@vagrant-ubuntu-trusty-64:~/devops\$