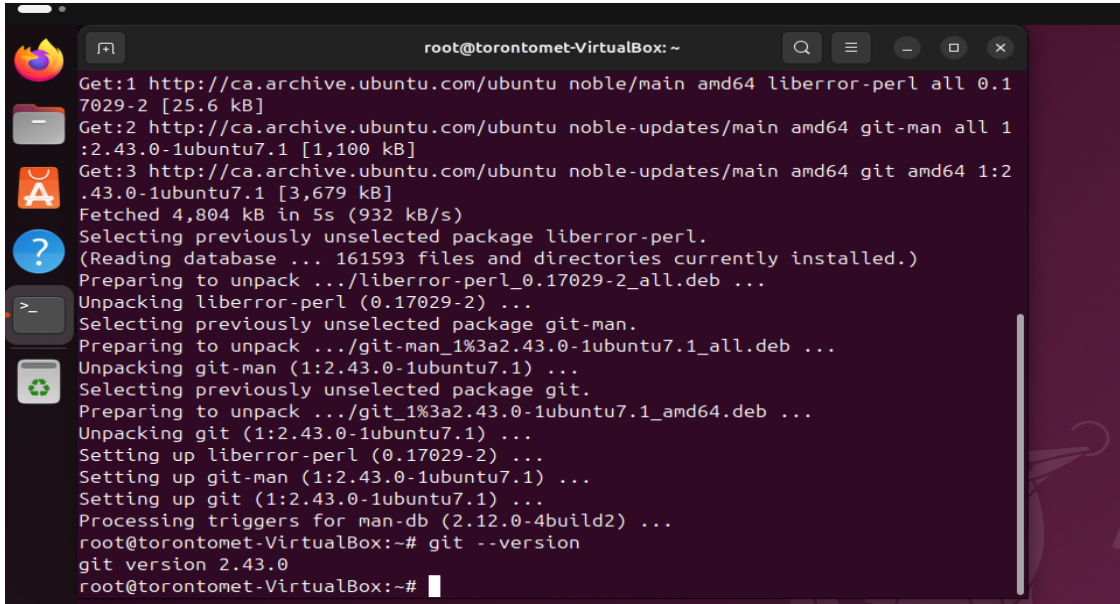


LAB 2: INTRODUCTION TO GIT

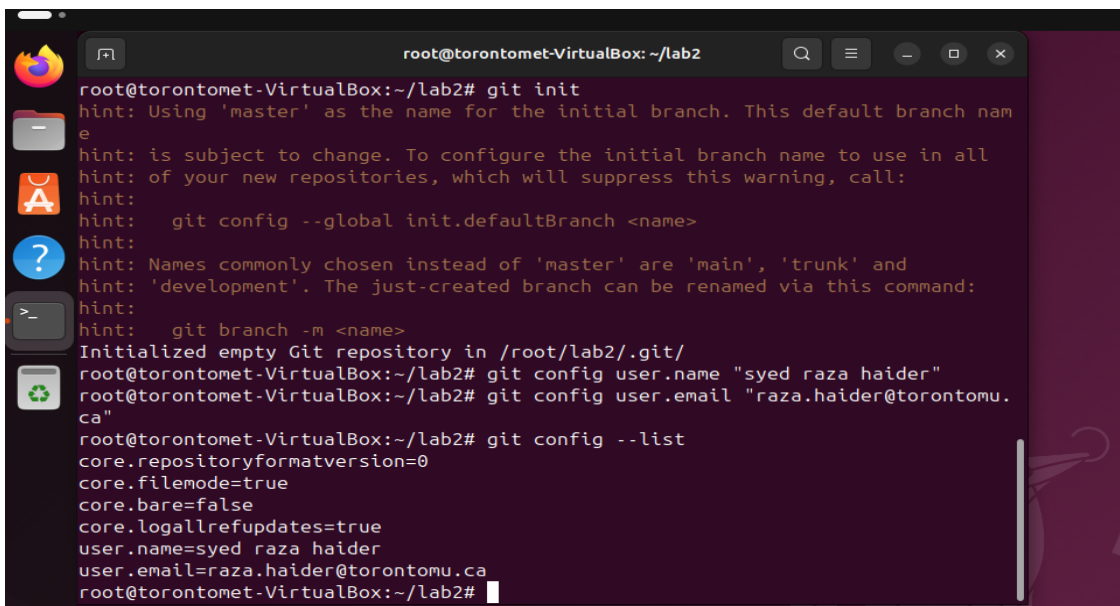
Date: September 23, 2024

1 Git Preparation



```
root@torontomet-VirtualBox: ~  
Get:1 http://ca.archive.ubuntu.com/ubuntu noble/main amd64 liberror-perl all 0.1  
7029-2 [25.6 kB]  
Get:2 http://ca.archive.ubuntu.com/ubuntu noble-updates/main amd64 git-man all 1  
:2.43.0-1ubuntu7.1 [1,100 kB]  
Get:3 http://ca.archive.ubuntu.com/ubuntu noble-updates/main amd64 git amd64 1:2  
.43.0-1ubuntu7.1 [3,679 kB]  
Fetched 4,804 kB in 5s (932 kB/s)  
Selecting previously unselected package liberror-perl.  
(Reading database ... 161593 files and directories currently installed.)  
Preparing to unpack .../liberror-perl_0.17029-2_all.deb ...  
Unpacking liberror-perl (0.17029-2) ...  
Selecting previously unselected package git-man.  
Preparing to unpack .../git-man_1%3a2.43.0-1ubuntu7.1_all.deb ...  
Unpacking git-man (1:2.43.0-1ubuntu7.1) ...  
Selecting previously unselected package git.  
Preparing to unpack .../git_1%3a2.43.0-1ubuntu7.1_amd64.deb ...  
Unpacking git (1:2.43.0-1ubuntu7.1) ...  
Setting up liberror-perl (0.17029-2) ...  
Setting up git-man (1:2.43.0-1ubuntu7.1) ...  
Setting up git (1:2.43.0-1ubuntu7.1) ...  
Processing triggers for man-db (2.12.0-4build2) ...  
root@torontomet-VirtualBox:~# git --version  
git version 2.43.0  
root@torontomet-VirtualBox:~#
```

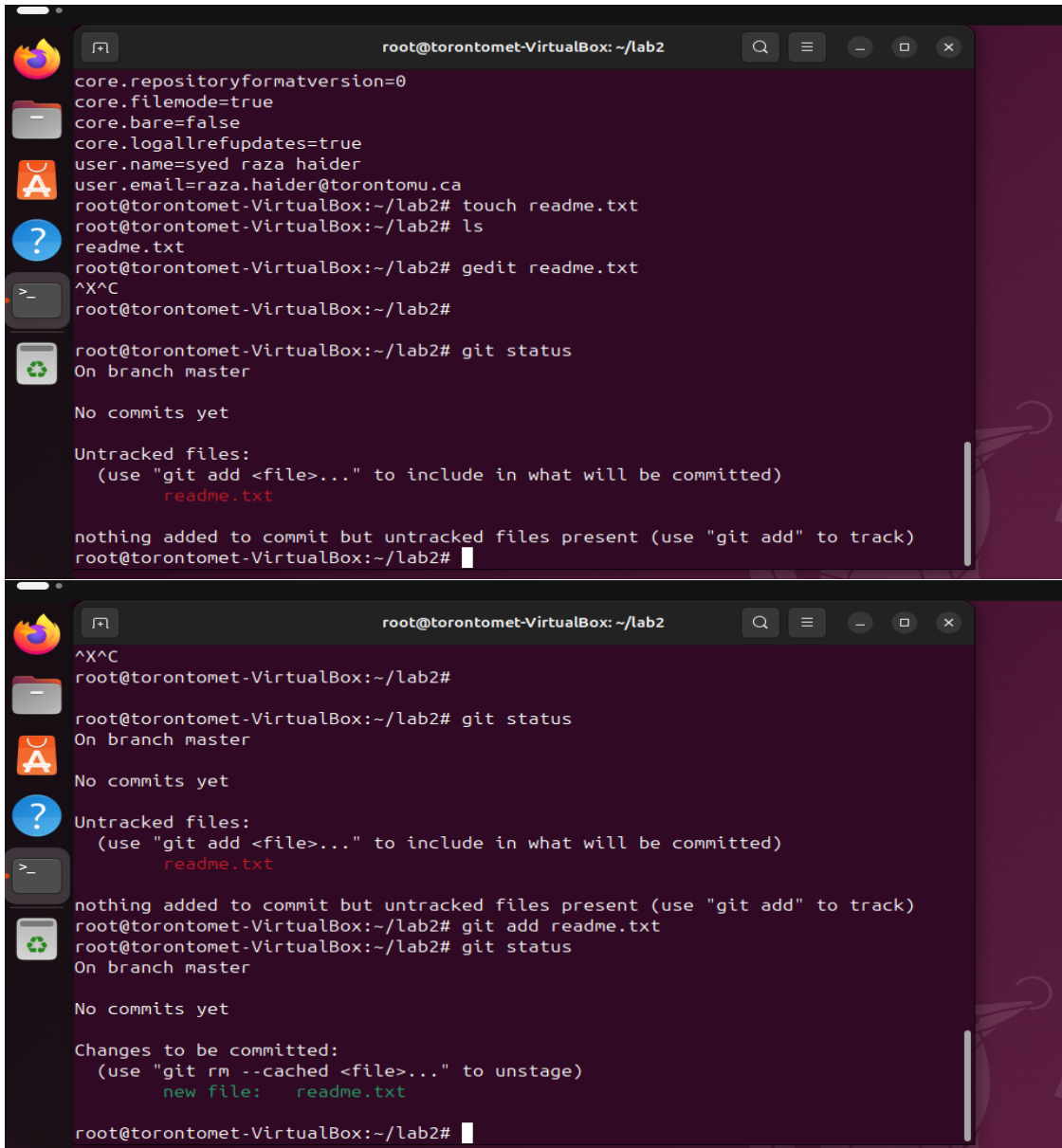
(a) Check Git version



```
root@torontomet-VirtualBox: ~/lab2  
root@torontomet-VirtualBox:~/lab2# git init  
hint: Using 'master' as the name for the initial branch. This default branch nam  
e  
hint: is subject to change. To configure the initial branch name to use in all  
hint: of your new repositories, which will suppress this warning, call:  
hint:     git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:     git branch -m <name>  
Initialized empty Git repository in /root/lab2/.git/  
root@torontomet-VirtualBox:~/lab2# git config user.name "syed raza haider"  
root@torontomet-VirtualBox:~/lab2# git config user.email "raza.haider@torontomu.  
ca"  
root@torontomet-VirtualBox:~/lab2# git config --list  
core.repositoryformatversion=0  
core.filemode=true  
core.bare=false  
core.logallrefupdates=true  
user.name=syed raza haider  
user.email=raza.haider@torontomu.ca  
root@torontomet-VirtualBox:~/lab2#
```

(b) Configure Git

2 Creating textfile readme.txt and commit



```
root@torontomet-VirtualBox: ~/lab2
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
user.name=syed raza haider
user.email=raza.haider@torontomu.ca
root@torontomet-VirtualBox:~/lab2# touch readme.txt
root@torontomet-VirtualBox:~/lab2# ls
readme.txt
root@torontomet-VirtualBox:~/lab2# gedit readme.txt
^X^C
root@torontomet-VirtualBox:~/lab2#

root@torontomet-VirtualBox:~/lab2# git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        readme.txt

nothing added to commit but untracked files present (use "git add" to track)
root@torontomet-VirtualBox:~/lab2#

^X^C
root@torontomet-VirtualBox:~/lab2#

root@torontomet-VirtualBox:~/lab2# git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        readme.txt

nothing added to commit but untracked files present (use "git add" to track)
root@torontomet-VirtualBox:~/lab2# git add readme.txt
root@torontomet-VirtualBox:~/lab2# git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   readme.txt

root@torontomet-VirtualBox:~/lab2#
```

