Lheidar

DevOps – Week 1

Task 2 – Terminal Exploration
Putty

Connection host:
ubuntu@ec2-35-176-22-231.eu-west-2.compute.amazonaws.com

Moving File Directories:

mv /home/ubuntu/QACLouy/sample.txt /home/ubuntu/QACLouy/MyProject/

Current Directory Location:
pwd

VI Editor:

I = Insert into VI text Editor

: enter to enter the command mode

wq! = Force save changes to file

View date within text file:
cat sample.txt

Create new text file:
cat> sample.txt

Task 3 – Creating a Script file

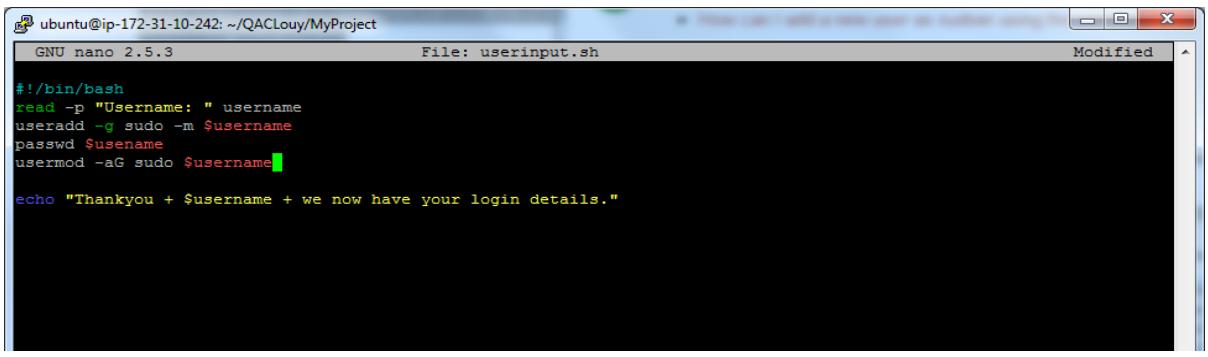
Force set username:
sudoadduser --force-badnameLheidar

Add user to sudo group:
sudoadduser<username>sudo

Read/write permission to file being accessed
chmod +x file_name

Add user to sudoers group
sudousermod -aGsudo<username>

Adding User Permission & Creating User



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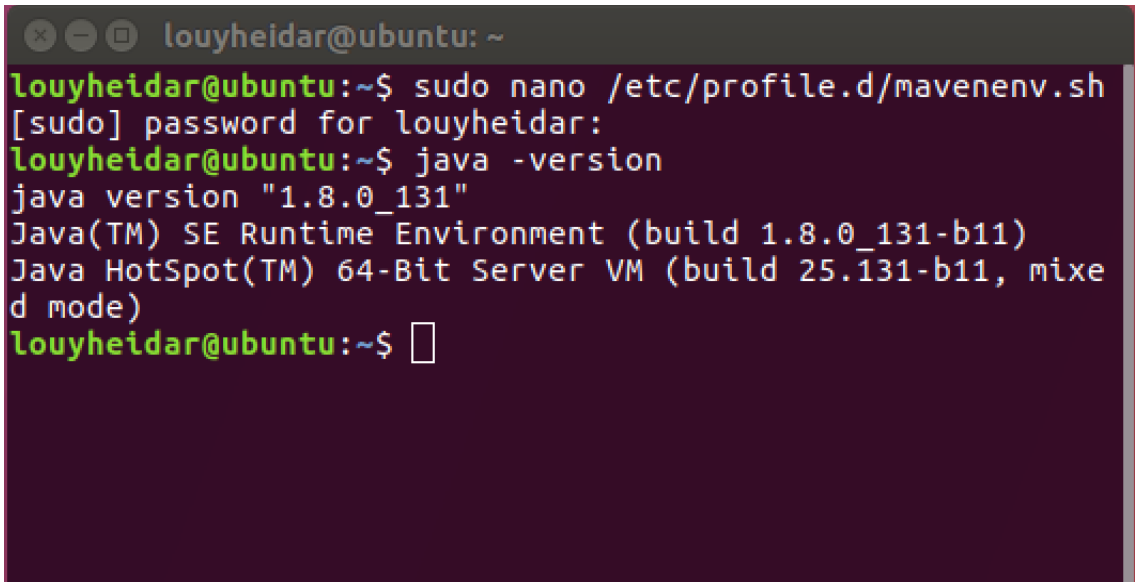
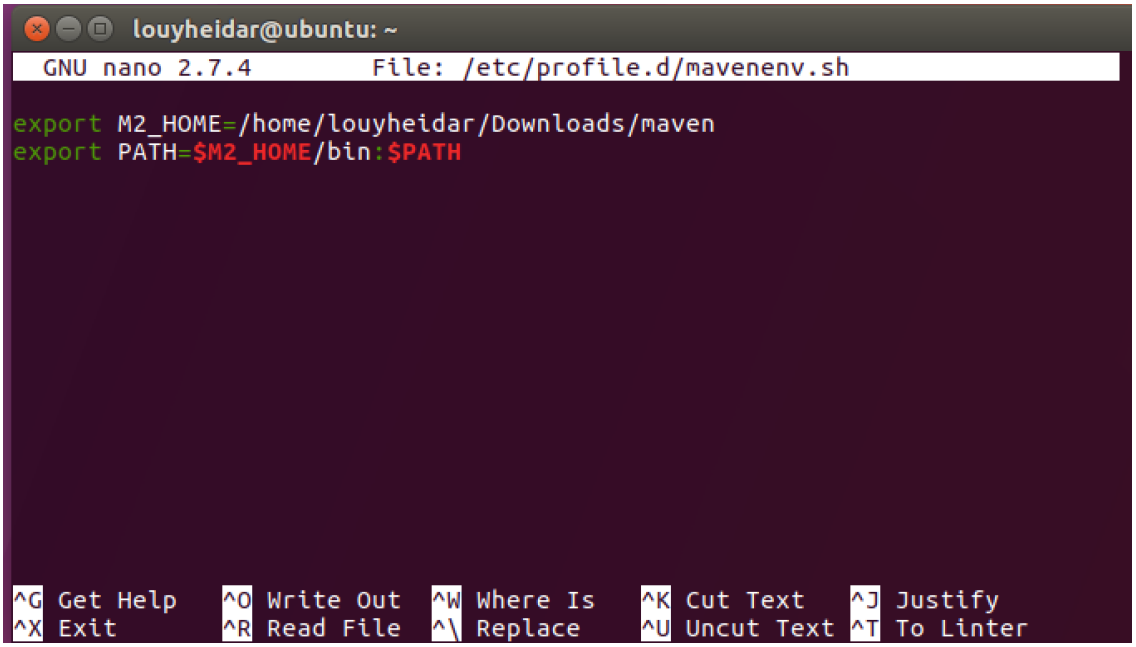
Task 4 – Configuring the Linux Environment

https://www.vultr.com/docs/how-to-install-apache-maven-on-ubuntu-16-04

Java Installation:



Maven Installation: Setting Environment Variables



Replacing sudo with source to run script file
source /etc/profile.d/mavenenv.sh

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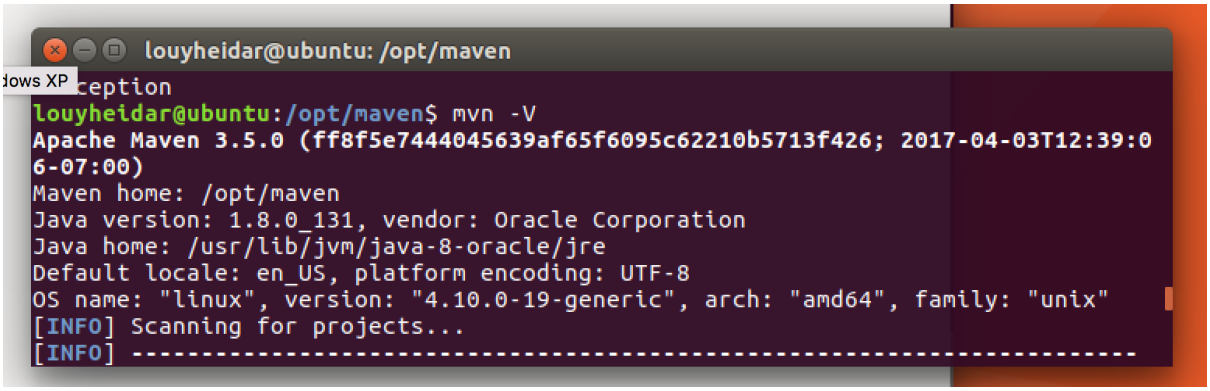
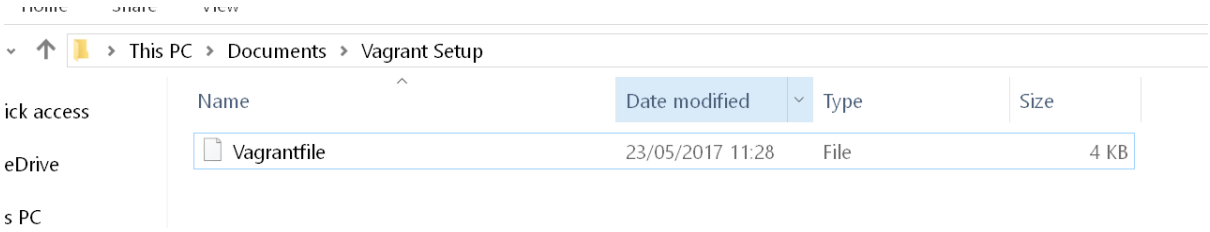
Maven Installation:



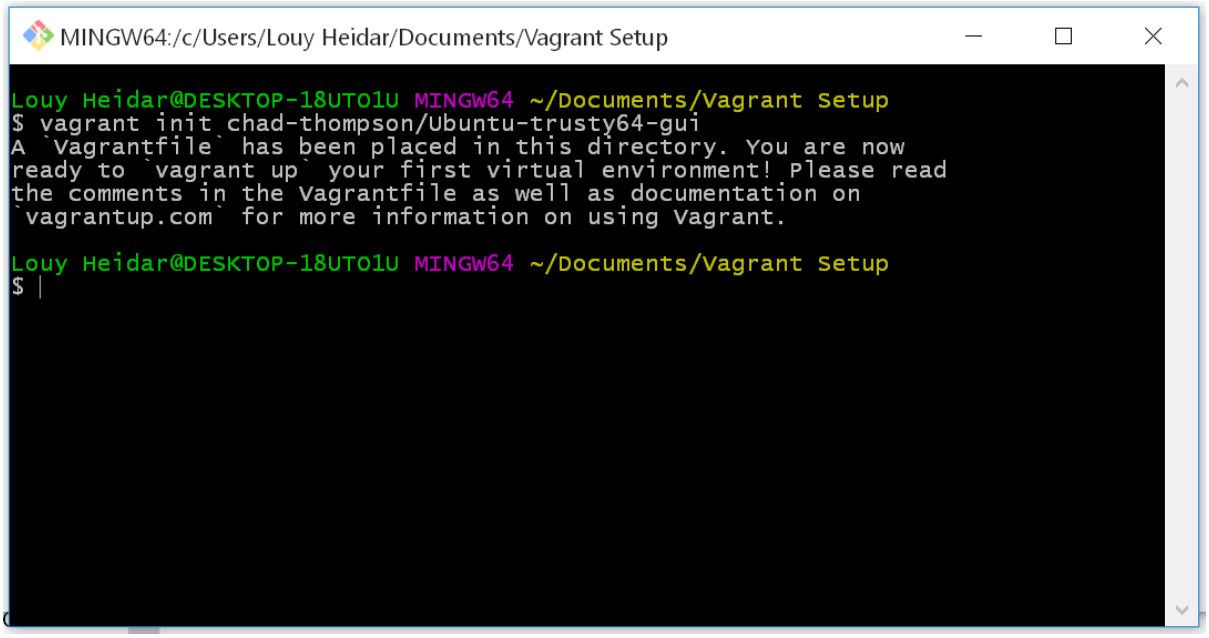
Task 6 – Vagrant Scripting

http://tech.osteel.me/posts/2015/01/25/how-to-use-vagrant-on-windows.html

Vagrant file added to Vagrant Setup directory



Vagrant file generated using vagrant init command
$vagrant up



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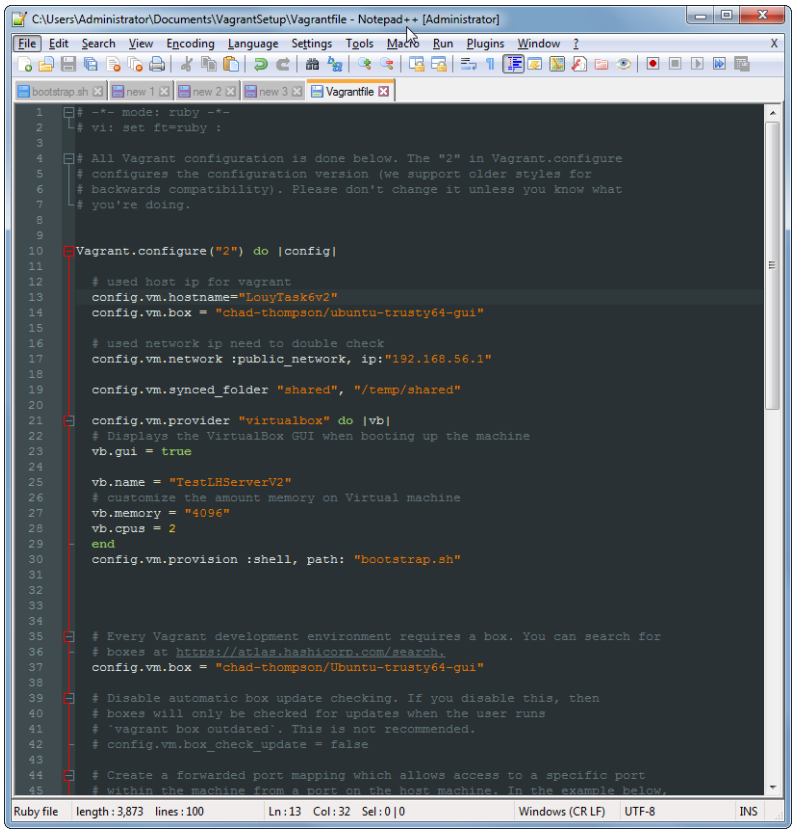
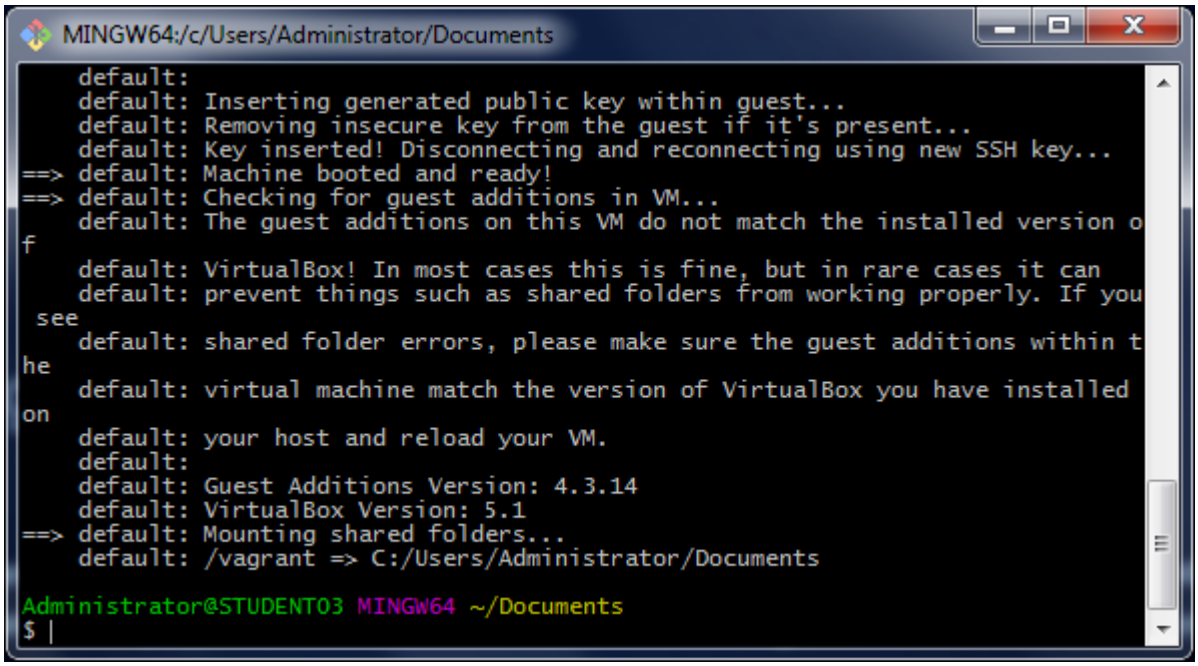
Configuring vagrant file set properties and copy content within shared folder:



Virtual Machine Created and added to virtual box



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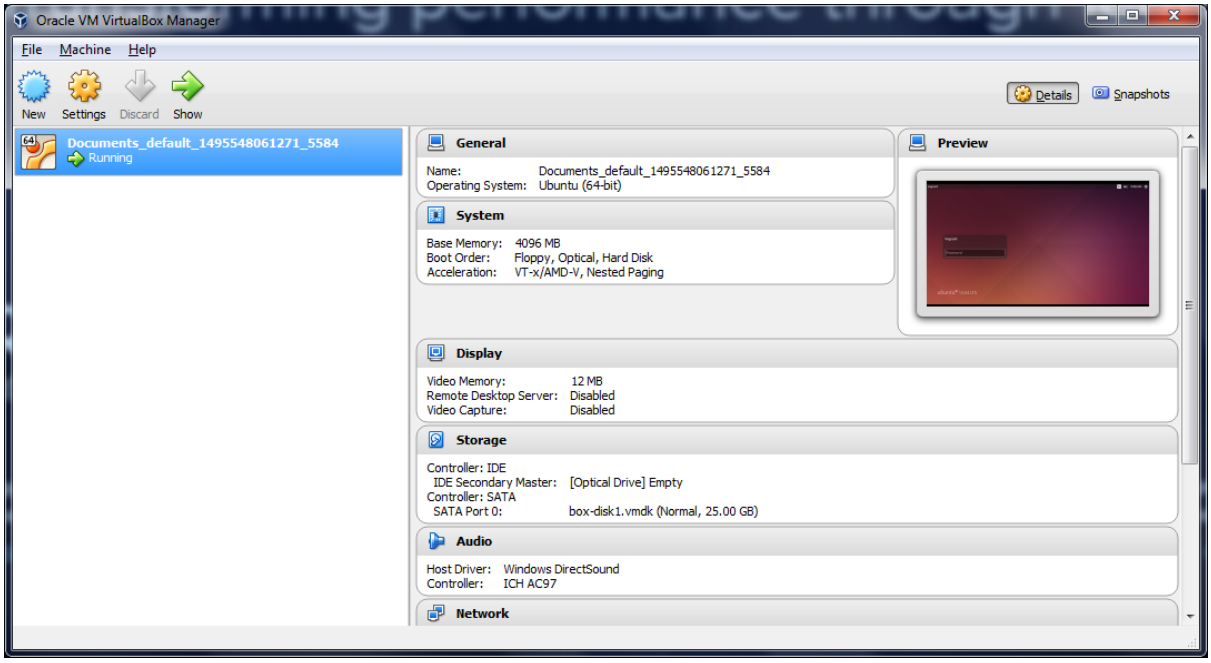
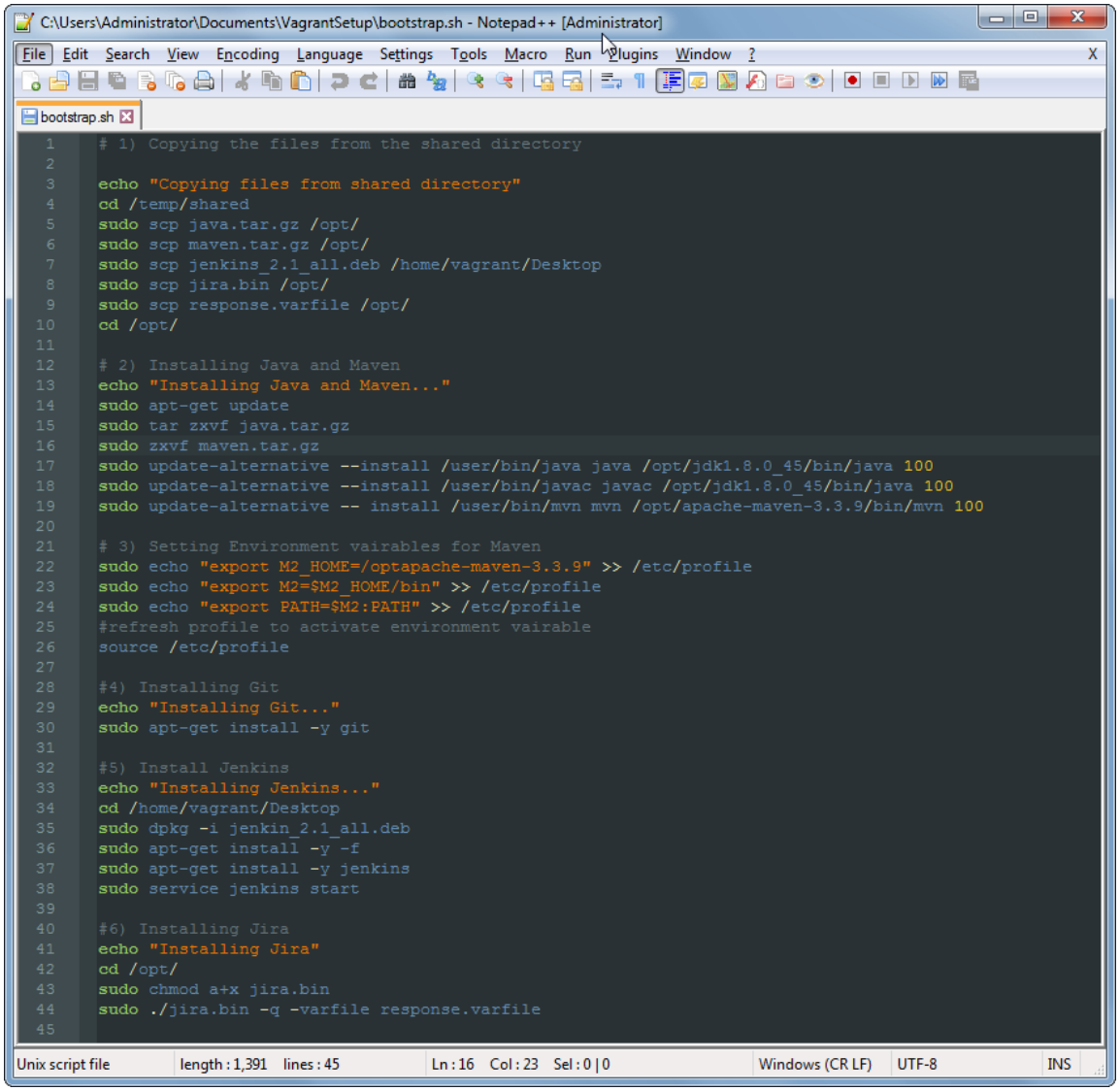


Installing Java, Maven, Git and Jenkins using a Shell script



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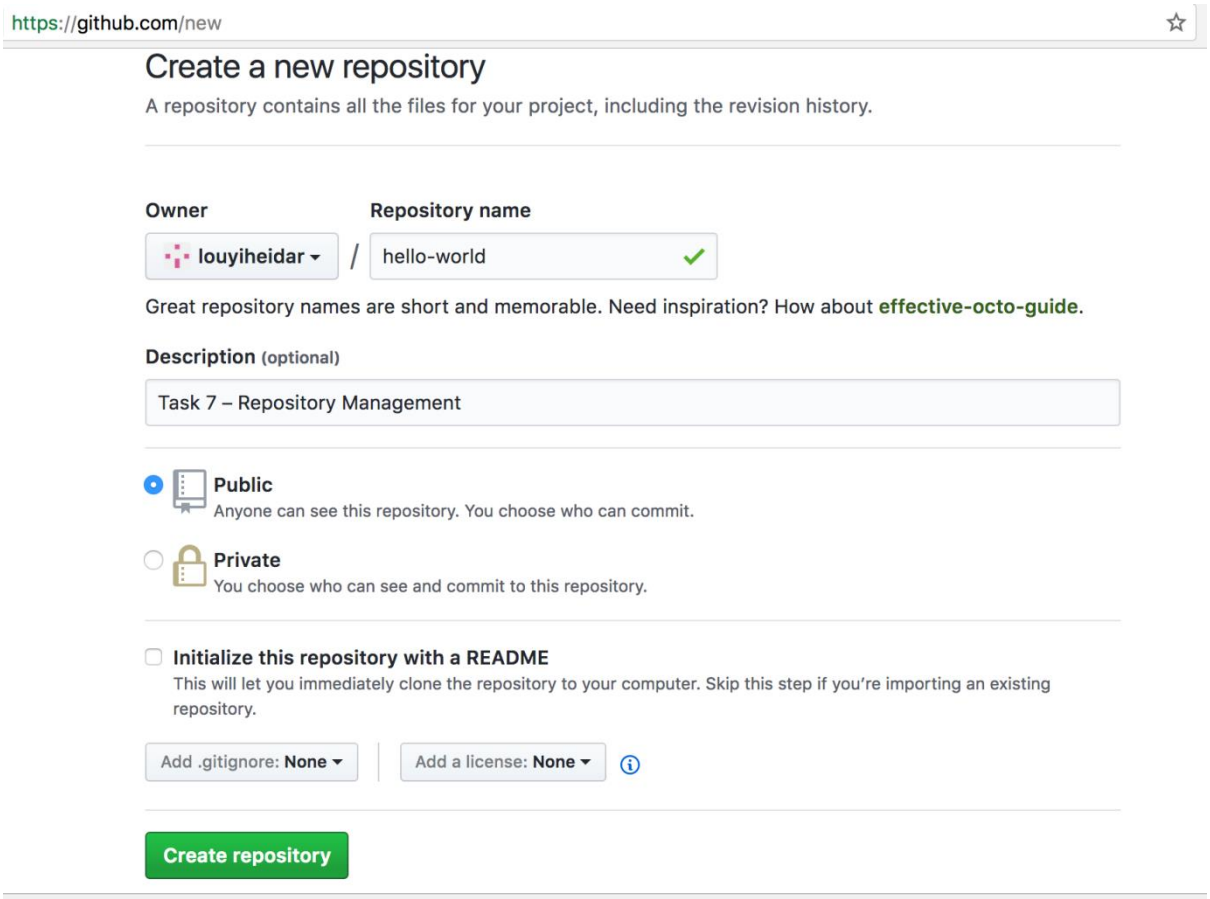
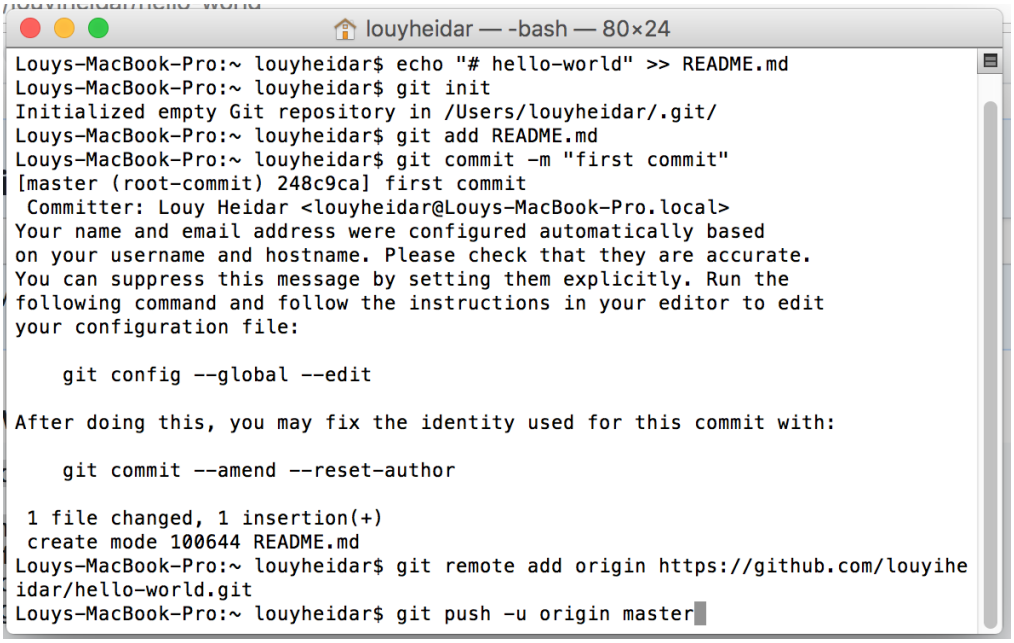
Task 7 – Repository Management

1) Creating New Repository on GitHub



2) Creating new repository within terminal (command line



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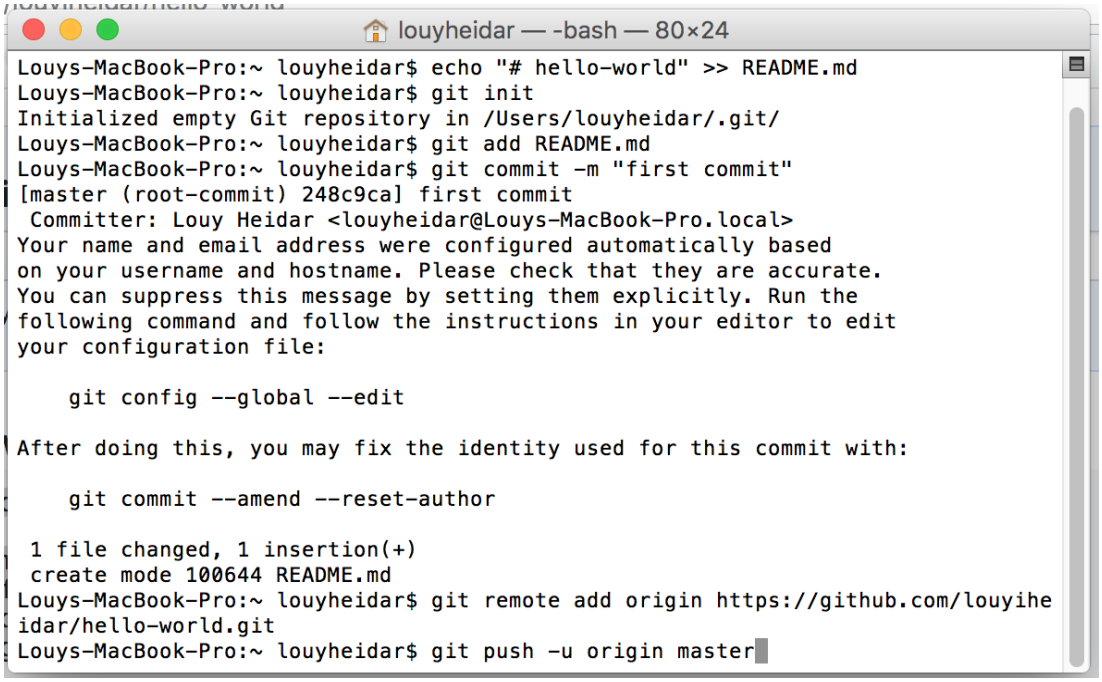
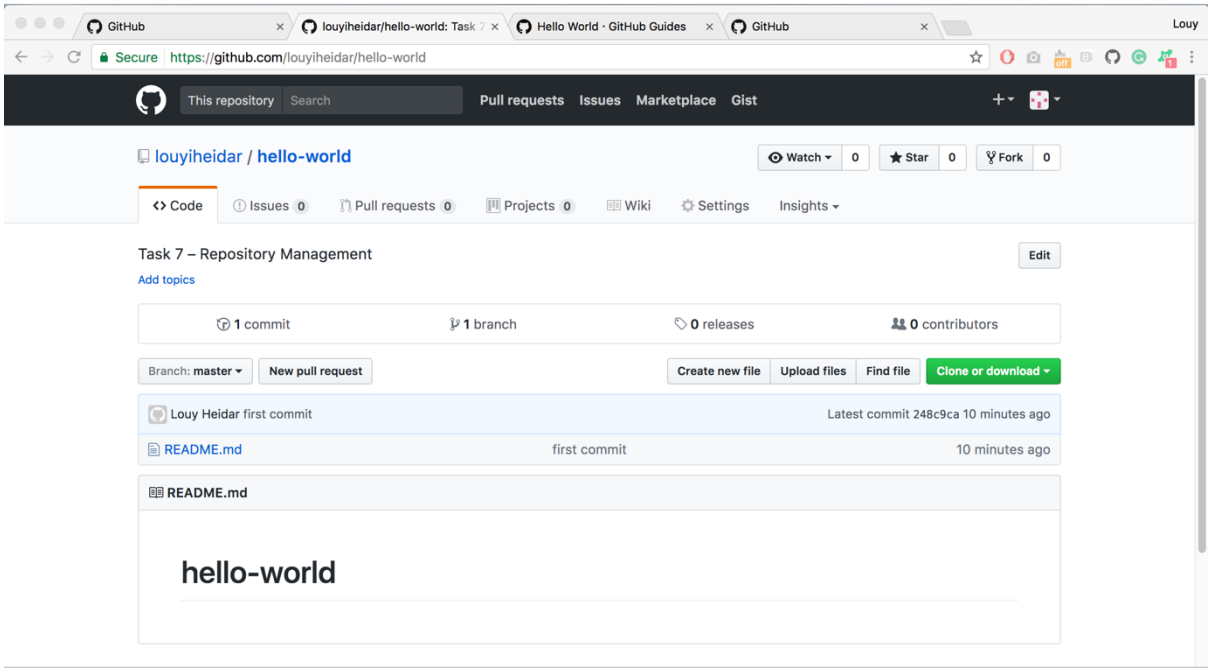
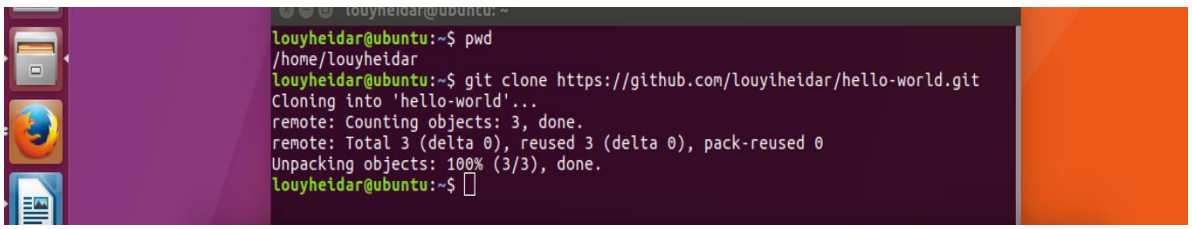
3) Committing changed and pushing to master branch



Result of first Commit change:



4) Cloning created repository to Ubuntu



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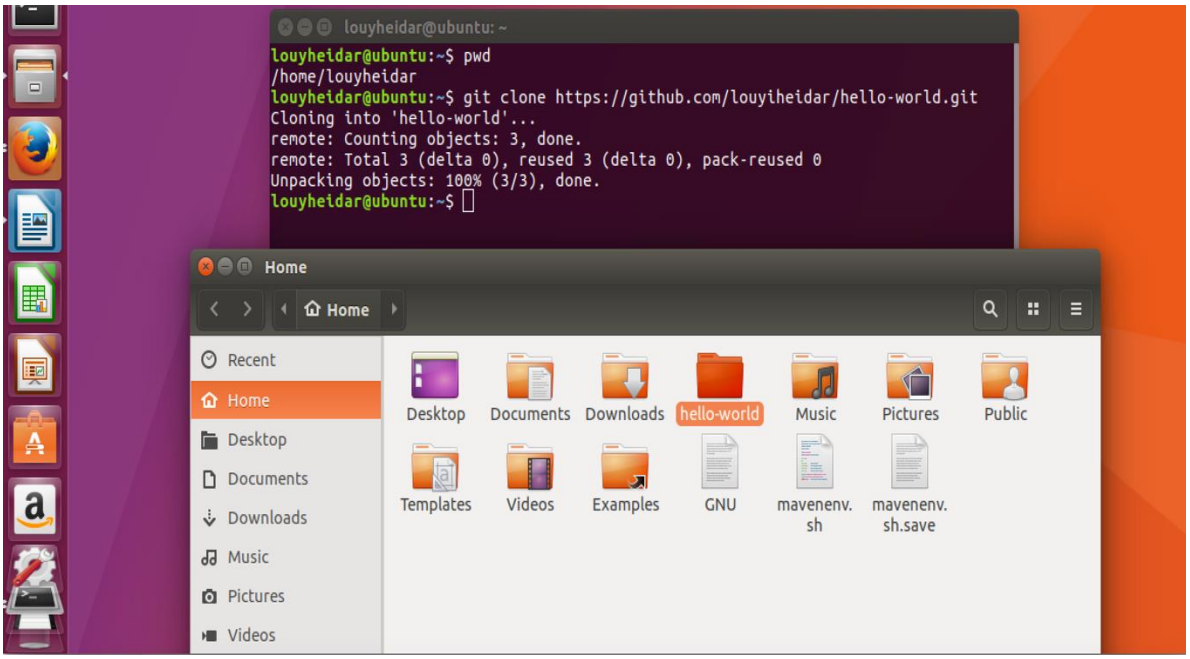
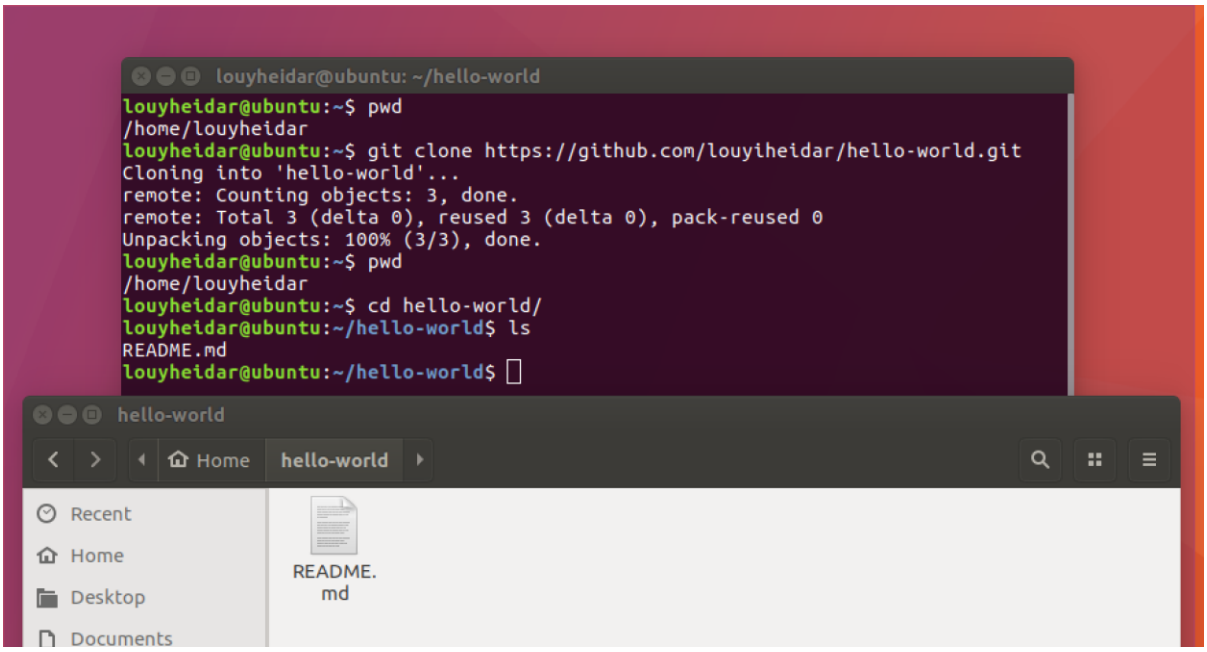
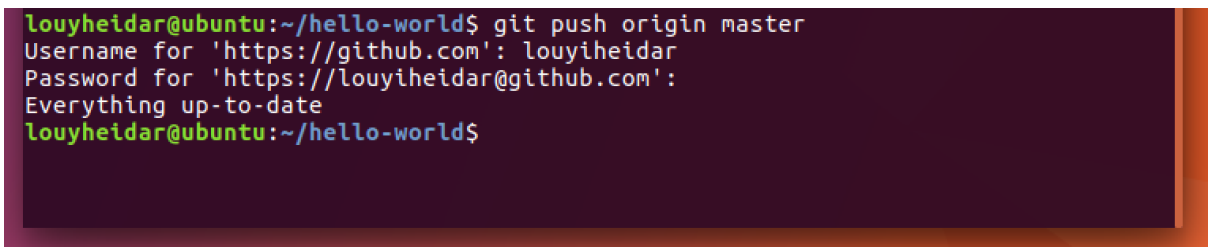
File cloned and display with specified directory
git clone https://github.com/louyiheidar/hello-world.git



Navigation todirectory using terminal and verifying content



5) Pushing changes from local directory to GitHub



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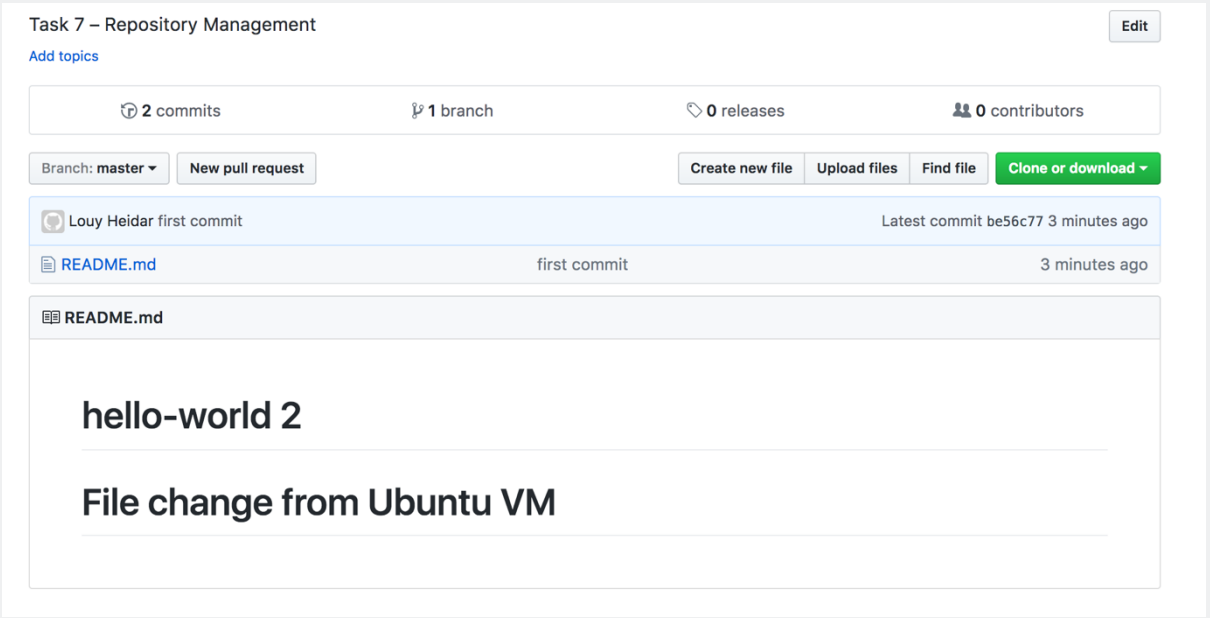
Local changes pushed to GitHub

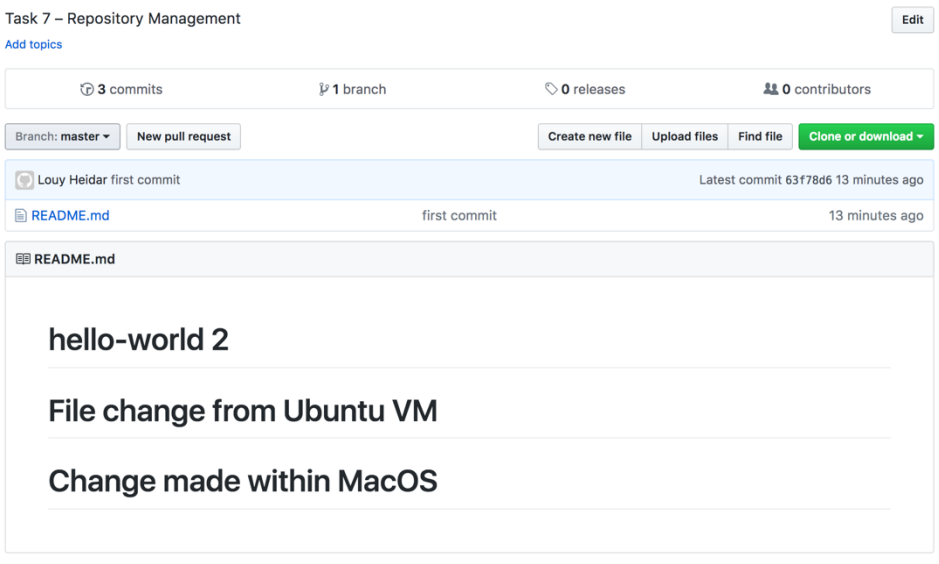


1)git init
2)git add *
3)git commit -m "first commit"
4)git remote add origin https://github.com/louyiheidar/hello-world.git
5)git push -u origin master

Changing and pushing change locally from MacOS

//cd to directory
//commands used

git add README.md
git commit -m "first commit"
git push -u origin master
git pull



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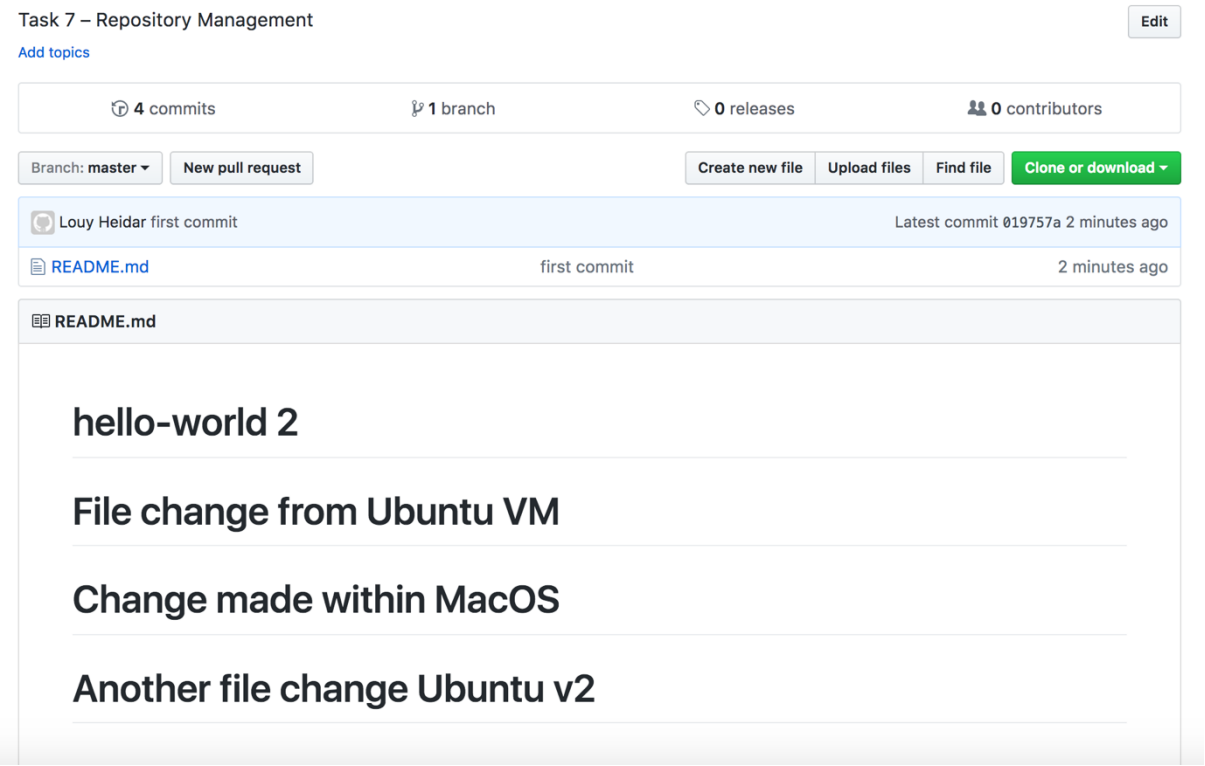
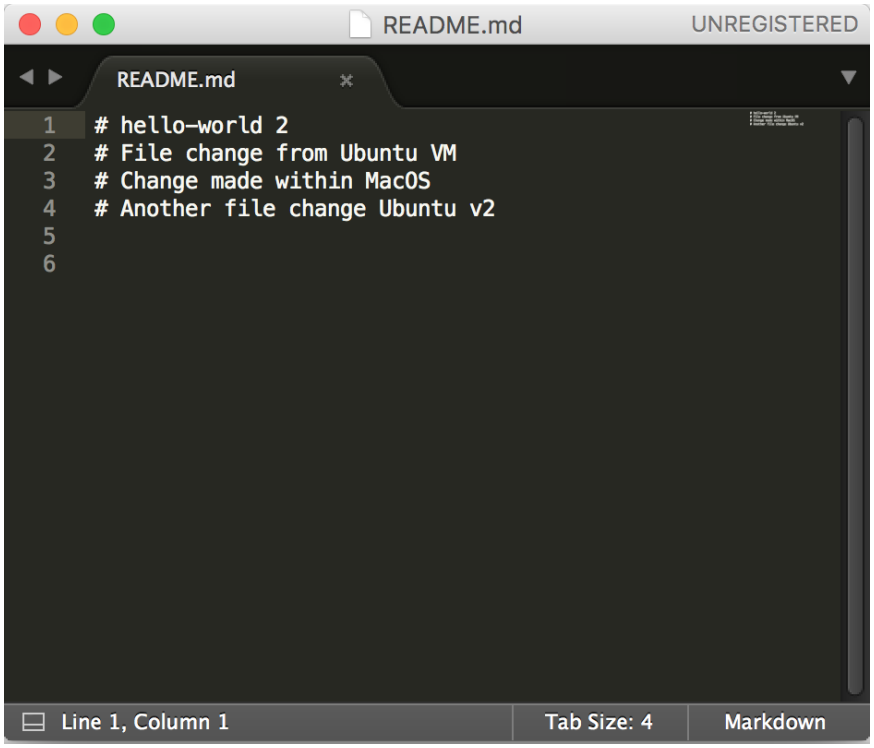


File change have been committed and local and server file have been updated

//cd to directory
//commands used

git pull



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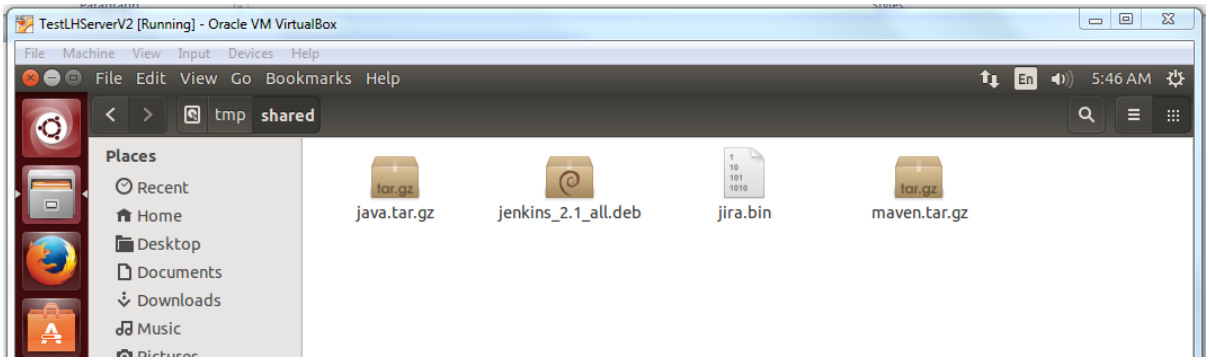
Tooling

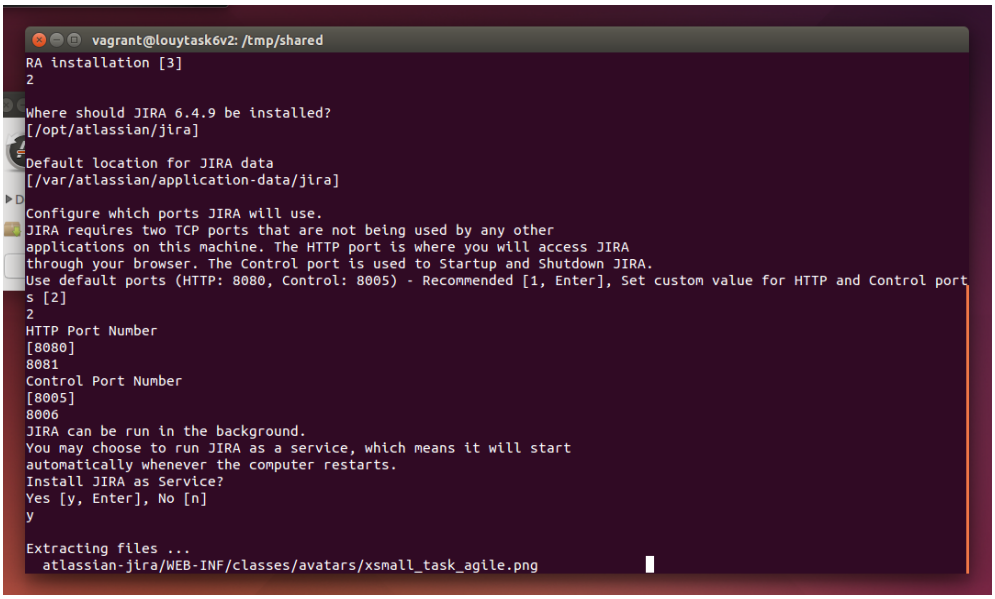
Task 2 - Setting up Jira

1) Shared folder Mounted via using shell script with all accessible installation files



2) Using custom install to configure set ports

HTTP Port = 8081
Control Port = 8006



1) Jira setup complete and running on the specified ports