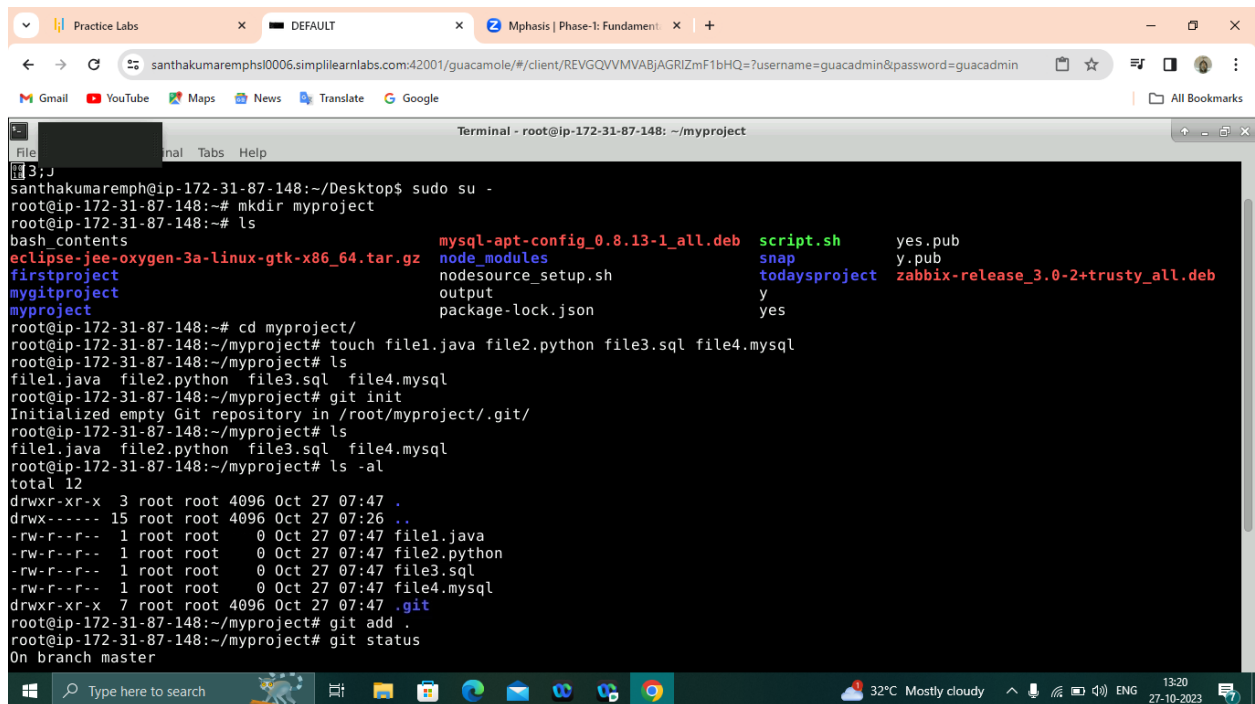


PRACTICES PROJECT



```
santhakumaremp@ip-172-31-87-148:~/Desktop$ sudo su -
root@ip-172-31-87-148:~# mkdir myproject
root@ip-172-31-87-148:~# ls
bash contents
eclipse-jee-oxygen-3a-linux-gtk-x86_64.tar.gz  mysql-apt-config_0.8.13-1_all.deb  script.sh  yes.pub
firstproject  node_modules  snap  y.pub
mygitproject  nodesource_setup.sh  todaysproject  zabbix-release_3.0-2+trusty_all.deb
myproject  output  y
package-lock.json  yes
root@ip-172-31-87-148:~# cd myproject/
root@ip-172-31-87-148:~/myproject# touch file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# ls
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# git init
Initialized empty Git repository in /root/myproject/.git/
root@ip-172-31-87-148:~/myproject# ls
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# ls -al
total 12
drwxr-xr-x  3 root root 4096 Oct 27 07:47 .
drwx----- 15 root root 4096 Oct 27 07:26 ..
-rw-r--r--  1 root root   0 Oct 27 07:47 file1.java
-rw-r--r--  1 root root   0 Oct 27 07:47 file2.python
-rw-r--r--  1 root root   0 Oct 27 07:47 file3.sql
-rw-r--r--  1 root root   0 Oct 27 07:47 file4.mysql
drwxr-xr-x  7 root root 4096 Oct 27 07:47 .git
root@ip-172-31-87-148:~/myproject# git add .
root@ip-172-31-87-148:~/myproject# git status
On branch master
```

1. Create project name
2. # ls
3. Cd project name/
4. Touch file name
5. #git init
6. Ls -al
7. Git add .
8. Git staus

The screenshot shows a web browser window with the URL `santhakumarempshi0006.simplilearnlabs.com:42001/guacamole/#/client/REVGVVMVABJAGRIZmF1bHQ=?username=guacadmin&password=guacadmin`. Below the browser is a terminal window titled "Terminal - root@ip-172-31-87-148: ~/myproject". The terminal shows the following commands and output:

```
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# git init
Initialized empty Git repository in /root/myproject/.git/
root@ip-172-31-87-148:~/myproject# ls
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# ls -al
total 12
drwxr-xr-x 3 root root 4096 Oct 27 07:47 .
drwx----- 15 root root 4096 Oct 27 07:26 ..
-rw-r--r-- 1 root root 0 Oct 27 07:47 file1.java
-rw-r--r-- 1 root root 0 Oct 27 07:47 file2.python
-rw-r--r-- 1 root root 0 Oct 27 07:47 file3.sql
-rw-r--r-- 1 root root 0 Oct 27 07:47 file4.mysql
drwxr-xr-x 7 root root 4096 Oct 27 07:47 .git
root@ip-172-31-87-148:~/myproject# git add .
root@ip-172-31-87-148:~/myproject# git status
On branch master

Initial commit

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

        new file:   file1.java
        new file:   file2.python
        new file:   file3.sql
        new file:   file4.mysql

root@ip-172-31-87-148:~/myproject#
```

The screenshot shows the same web browser window as above. The terminal window shows the following commands and output:

```
-rw-r--r-- 1 root root 0 Oct 27 07:47 file2.python
-rw-r--r-- 1 root root 0 Oct 27 07:47 file3.sql
-rw-r--r-- 1 root root 0 Oct 27 07:47 file4.mysql
drwxr-xr-x 7 root root 4096 Oct 27 07:47 .git
root@ip-172-31-87-148:~/myproject# git add .
root@ip-172-31-87-148:~/myproject# git status
On branch master

Initial commit

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

        new file:   file1.java
        new file:   file2.python
        new file:   file3.sql
        new file:   file4.mysql

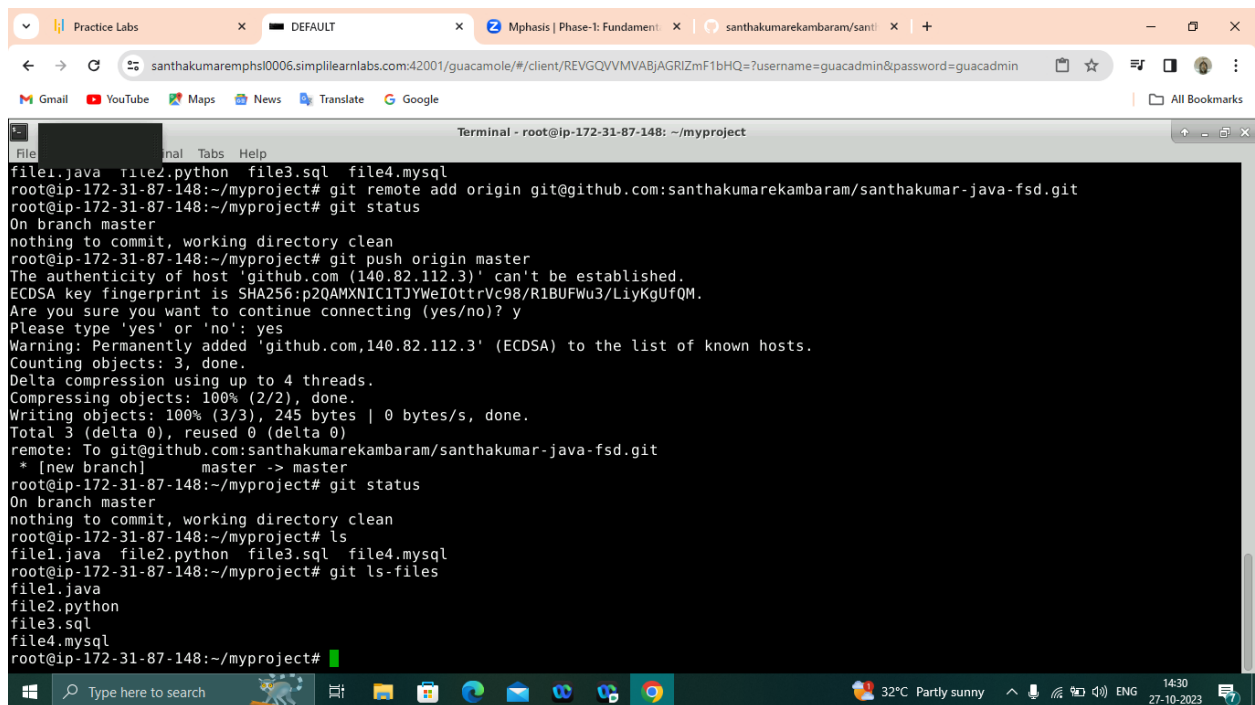
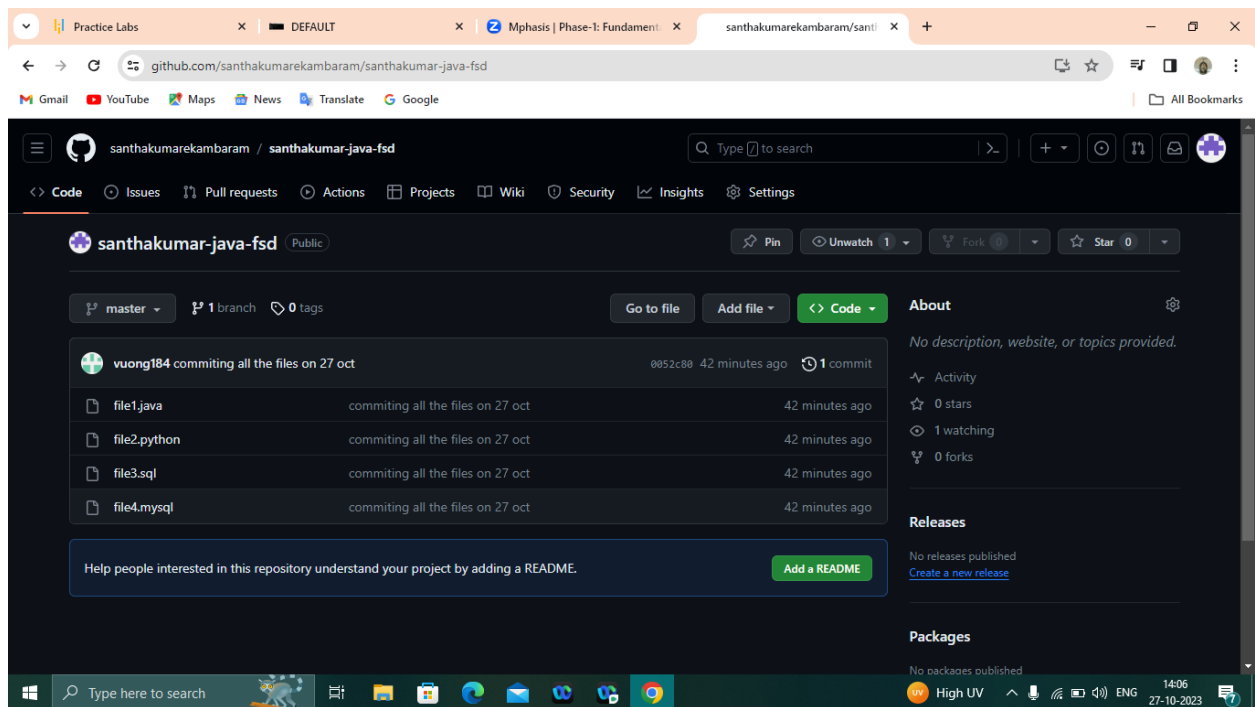
root@ip-172-31-87-148:~/myproject# git commit -m "committing all the files on 27 oct"
[master (root-commit) 0052c80] committing all the files on 27 oct
 4 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file1.java
 create mode 100644 file2.python
 create mode 100644 file3.sql
 create mode 100644 file4.mysql
root@ip-172-31-87-148:~/myproject# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-87-148:~/myproject# clear
```

9. # clear
10. # ssh-keygen

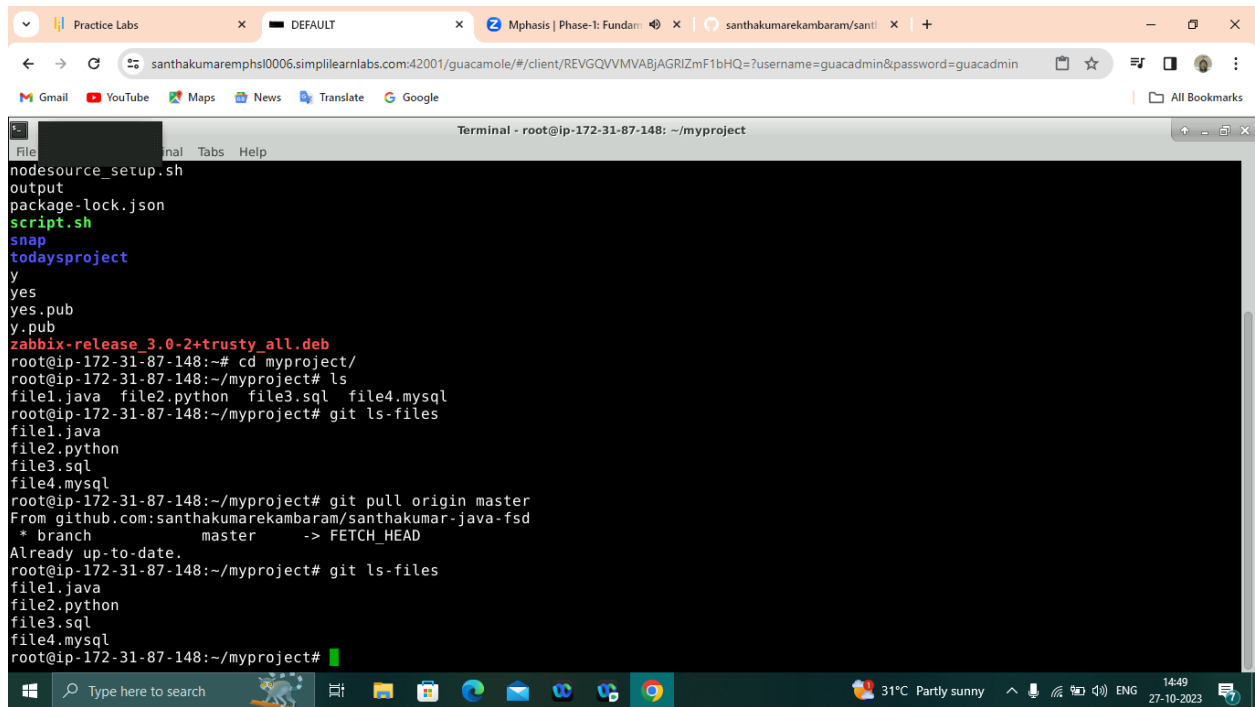
```
Practice Labs x DEFAULT x Mphasis | Phase-I: Fundamen... x +
santhakumarempsi0006.simplilearnlabs.com:42001/guacamole/#/client/REVGVVMVABJAGRIZmF1bHQ=?username=guacadmin&password=guacadmin
Gmail YouTube Maps News Translate Google
Terminal - root@ip-172-31-87-148: ~
File Edit Shell Tabs Help
Overwrite (y/n)? y
root@ip-172-31-87-148:~#
root@ip-172-31-87-148:~# y
y: command not found
root@ip-172-31-87-148:~# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:zBbmYDPN1lVjSOUwW/f6Wxz5jjR8h+QHGO1Zjejo0M8 root@ip-172-31-87-148
The key's randomart image is:
+---[RSA 2048]----+
|      o=B* .      |
|      . =X. + .    |
|    oo o o . .    |
|   ...0. + .+ .    |
|  . o= S . =o      |
|   . = . + =o      |
|  o . . * 0        |
|   E . . *+       |
|   . . .          |
+---[SHA256]-----+
root@ip-172-31-87-148:~# ^C
root@ip-172-31-87-148:~#
```

```
Practice Labs x DEFAULT x Mphasis | Phase-I: Fundamen... x +
santhakumarempsi0006.simplilearnlabs.com:42001/guacamole/#/client/REVGVVMVABJAGRIZmF1bHQ=?username=guacadmin&password=guacadmin
Gmail YouTube Maps News Translate Google
Terminal - root@ip-172-31-87-148: ~/myproject
File Edit Shell Tabs Help
sh/0b0dnnmUFJB3Dh0wo7NJ5+5w1GADZOMq727pYEiMvkjM3pS3Gx5lGLAi644XLdhEB6Qp0Z0Wjg1moPz2/3Lpghgyz8m1hSxNM0h5/oDQJKVkJN root@ip-172-31-87-148
root@ip-172-31-87-148:~# clear
[3;J
root@ip-172-31-87-148:~# cd myproject/
root@ip-172-31-87-148:~/myproject# ls
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# git remote add origin git@github.com:santhakumarekamaram/santhakumar-java-fsd.git
root@ip-172-31-87-148:~/myproject# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-87-148:~/myproject# git push origin master
The authenticity of host 'github.com (140.82.112.3)' can't be established.
ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOtrVc98/R1BUFWu3/LiyKgUfQM.
Are you sure you want to continue connecting (yes/no)? y
Please type 'yes' or 'no': yes
Warning: Permanently added 'github.com,140.82.112.3' (ECDSA) to the list of known hosts.
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 245 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote: To git@github.com:santhakumarekamaram/santhakumar-java-fsd.git
* [new branch]      master -> master
root@ip-172-31-87-148:~/myproject# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-87-148:~/myproject#
```

11. # git remote add origin git@github.com:santhakumarekamaram/santhakumar-java-fsd.git



12. # git ls-files



The screenshot shows a web browser window at the top with several tabs, including 'Practice Labs', 'DEFAULT', and 'Mphasis | Phase-I: Fundam...'. The address bar shows a URL from 'santhakumarempsi0006.simplilearnlabs.com'. Below the browser is a terminal window titled 'Terminal - root@ip-172-31-87-148: ~/myproject'. The terminal displays the following commands and outputs:

```
nodesource_setup.sh
output
package-lock.json
script.sh
snap
todaysproject
y
yes
yes.pub
y.pub
zabbix-release_3.0-2+trusty_all.deb
root@ip-172-31-87-148:~# cd myproject/
root@ip-172-31-87-148:~/myproject# ls
file1.java file2.python file3.sql file4.mysql
root@ip-172-31-87-148:~/myproject# git ls-files
file1.java
file2.python
file3.sql
file4.mysql
root@ip-172-31-87-148:~/myproject# git pull origin master
From github.com:santhakumarekambaram/santhakumar-java-fsd
* branch          master       -> FETCH_HEAD
Already up-to-date.
root@ip-172-31-87-148:~/myproject# git ls-files
file1.java
file2.python
file3.sql
file4.mysql
root@ip-172-31-87-148:~/myproject#
```

The terminal window is part of a desktop environment with a taskbar at the bottom showing various application icons and system status information like '31°C Partly sunny' and '14:49 27-10-2023'.

13. # git pull origin master