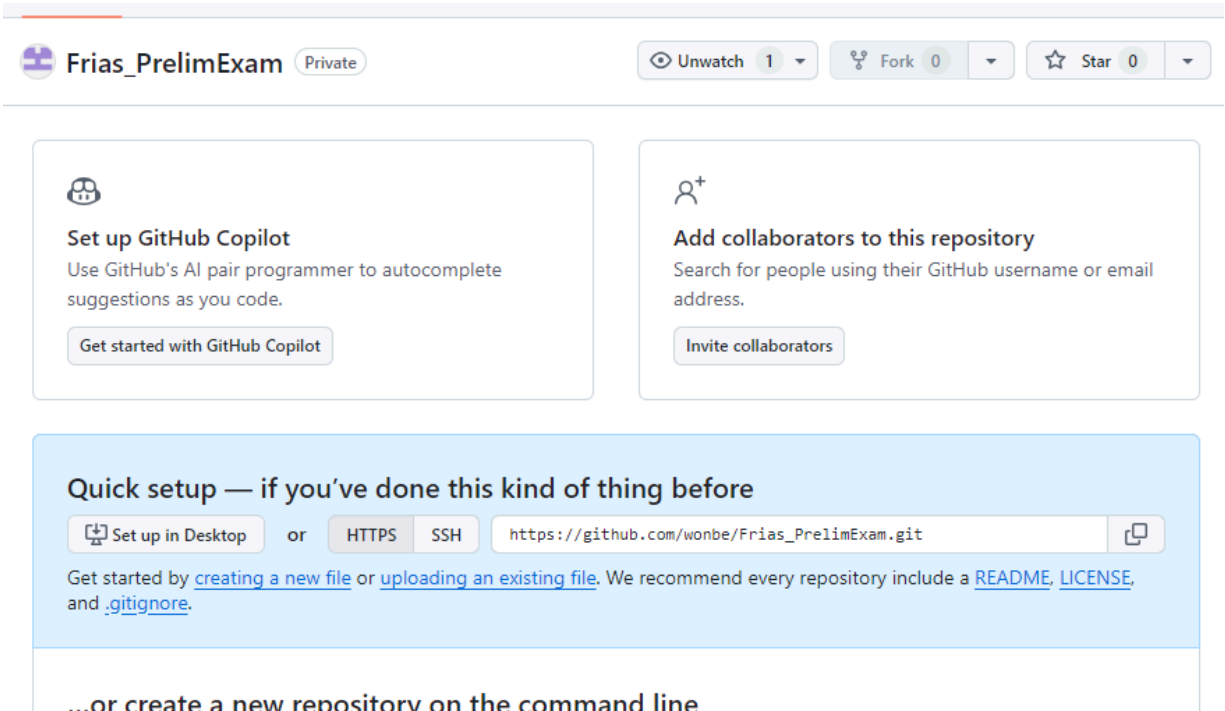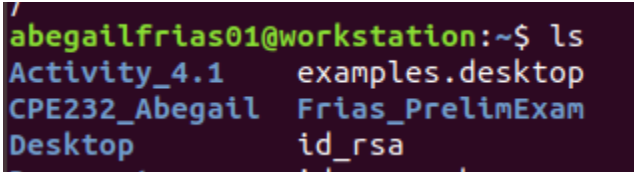| Prelim Exam	
Name: FRIAS, ABEGAIL L.	Date Performed: Sept 20, 2024
Course/Section: CPE212 - CPE31S21	Date Submitted: sept 20, 2024
Instructor: Engr. Robin Valenzuela	Semester and SY: 1st Sem/2024-2025

1. Note: You are required to create a document report of the steps you will do for this exam. All screenshots should be labeled and explained properly. LABELED AND EXPLAIN EACH CODE (PLAYBOOK) No explanation = Minus Points
2. Create a repository in your GitHub account and label it as Surname_PrelimExam

3. Clone your new repository in your CN.

4. In your CN, create an inventory file and ansible.cfg files.

File Edit View Search Terminal Help

GNU nano 2.9.3   /etc/ansible/hosts

```
#green.example.com
#blue.example.com
#192.168.100.1
#192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group

#[webservers]
#alpha.example.org
#beta.example.org
#192.168.1.100
#192.168.1.110

192.168.56.118
192.168.56.119
```

```
error: failed to push some refs to 'git@github.com:wonbe/Frias_PrelimExam.git'
abegailfrias01@workstation:~/Frias_PrelimExam$ ansible all -m apt -a update_cac
he=true --become --ask-become-pass
SUDO password:
server2 | UNREACHABLE! => {
    "changed": false,
    "msg": "Failed to connect to the host via ssh: abegailfrias01@server2: Perm
ission denied (publickey,password).\r\n",
    "unreachable": true
}
192.168.56.118 | SUCCESS => {
    "cache_update_time": 1726799261,
    "cache_updated": true,
    "changed": true
}
abegailfrias01@workstation:~/Frias_PrelimExam$ S
```

5. Create an Ansible playbook that does the following with an input of a config.yaml file for both Manage Nodes
   ○ Installs the latest python3 and pip3

File Edit View Search Terminal Help

```
  GNU nano 2.9.3                        cnfig.ymal

---
- hosts: servers

  tasks:
  - name: Update APT package maneger repositories cache
    become: true
    apt:
      update_cache: yes

  - name: Install Python3
    hosts: slave
    become: true
    tasks:
      - name: Install Python3
        package:
          name: python
          state: present

  - name: Install pip3
    hosts: slave
    become: true
    tasks:
      - name: Install pip3
```

```
  - name: Install pip3
    hosts: slave
    become: true
    tasks:
      - name: Install pip3
        package:
          name: pip3
          state: present

  - name: Install Java open-jdk
    hosts: all
    become: yes
    tasks:
      -name: Install Java open-jdk
        package:
          name: python
          state: present
```

```
abegailfrias01@server1:~/Frias_PrelimExam$ Python3 --version

Command 'Python3' not found, did you mean:

  command 'python3' from deb python3-minimal
  command 'cython3' from deb cython3

Try: apt install <deb name>

abegailfrias01@server1:~/Frias_PrelimExam$ python3 --version
Python 3.6.9
abegailfrias01@server1:~/Fries_PrelimExam$ S
```

- use pip3 as default pip
- use python3 as default python
- Install Java open-jdk
- Create a Python Script named "github.py" that automatically opens github on Firefox (or any default web browser) USING ANSIBLE.
- Create Motd containing the text defined by a variable defined in config.yaml file and if there is no variable input the default motd is "Ansible Managed node by (your user name)"
- Create a user with a variable defined in config.yaml

5. PUSH and COMMIT your PrelimExam in your GitHub repo

6. Screenshot / document your work. Add PROOF that all your CODES / SCRIPTS WORK.

7. Your document report should be submitted here. Your document SHOULD BE explained neatly and comprehensively.

8. For your prelim exam to be counted, please paste your repository link here. (Failure to submit will result in ZERO)

wonbe/Frias_PrelimExam (github.com)

9. NO USE OF EXTERNAL WEBSITES SUCH AS REDDIT, FORUMS, GITHUB, CHATGPT, CLAUDEAI,BARD, AND DOCUMENTATIONS. FAILURE TO COMPLY WITH RESULT IN ZERO.