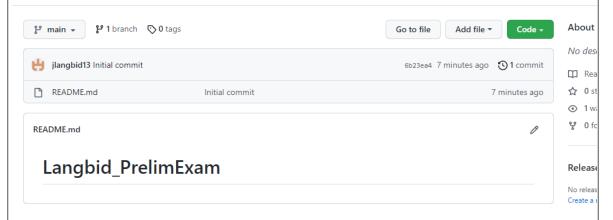
Hands-on Prelim Exam

Tools Needed:

- 1. Control Node (CN) 1
- 2. Manage Node (MN) 1 Ubuntu
- 3. Manage Node (MN) 1 CentOS

Procedure:

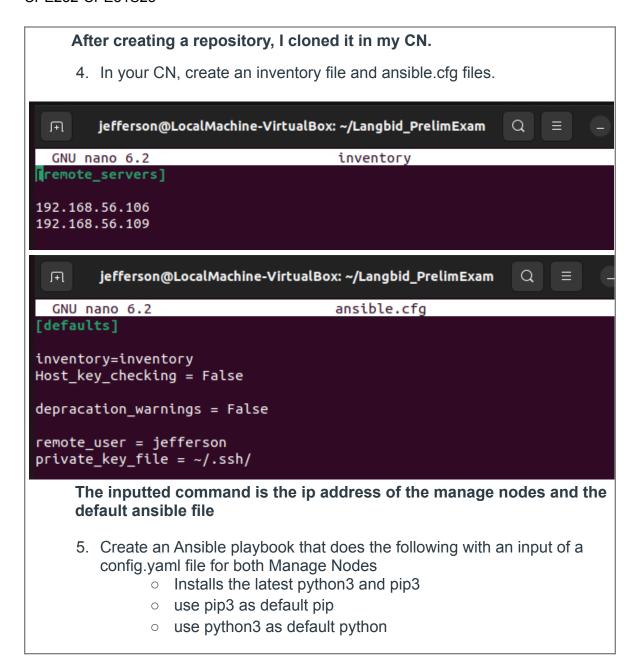
- Note: You are required to create a document report of the steps you will do for this exam. All screenshots should be labeled and explained properly.
- Create a repository in your GitHub account and label it as Surname_PrelimExam



I created a new Repository in github named Langbid_PrelimExam

3. Clone your new repository in your CN.

```
jefferson@LocalMachine-VirtualBox:~$ git clone git@github.com:jlangbid13/Langbi
d_PrelimExam.git
Cloning into 'Langbid PrelimExam'...
The authenticity of host 'github.com (140.82.113.4)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
jefferson@LocalMachine-VirtualBox:~$ ls
                     get-pip.py
jefferson@LocalMachine-VirtualBox:~$ cd Langbid_PrelimExam
jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$
```



```
jefferson@LocalMachine-VirtualBox: ~
 jefferson@LocalMachine-VirtualBox:~$ sudo apt install python3
 [sudo] password for jefferson:
 Reading package lists... Done
 Building dependency tree... Done
 Reading state information... Done
 python3 is already the newest version (3.10.4-Oubuntu2).
 0 upgraded, 0 newly installed, 0 to remove and 77 not upgraded.
 jefferson@LocalMachine-VirtualBox:~$ sudo apt install python3-pip
 Reading package lists... Done
 Building dependency tree... Done
 Reading state information... Done
 python3-pip is already the newest version (22.0.2+dfsg-1).
 0 upgraded, 0 newly installed, 0 to remove and 77 not upgraded.
 jefferson@LocalMachine-VirtualBox:~$
jefferson@LocalMachine-VirtualBox:~$ pip --version
pip 22.2.2 from /home/jefferson/.local/lib/python3.10/site-packages/pip (python
3.10)
jefferson@LocalMachine-VirtualBox:~$ python3 --version
Python 3.10.4
jefferson@LocalMachine-VirtualBox:~$ which pip
/home/jefferson/.local/bin/pip
jefferson@LocalMachine-VirtualBox:~$ which python3
/usr/bin/python3
jefferson@LocalMachine-VirtualBox:~$
         Python 3 and pip3 is installed and it is set as default.

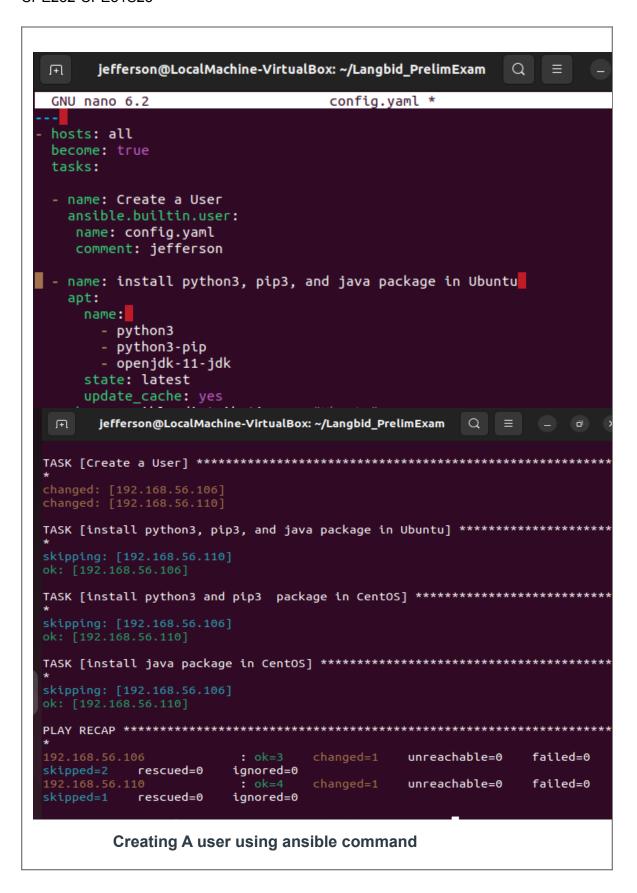
    Install Java open-idk
```

```
jefferson@LocalMachine-VirtualBox: ~/Langbid_PrelimExam
GNU nano 6.2
                                 config.yaml
hosts: all
become: true
- name: install python3, pip3, and java package in Ubuntu
   name:
    - python3
    - python3-pip
     - openjdk-11-jdk
   state: latest
   update_cache: yes
 when: ansible_distribution == "Ubuntu"
- name: install python3 and pip3 package in CentOS
 dnf:
   name:
     - python3
     - python3-pip
   state: latest
   update cache: yes
 when: ansible distribution == "CentOS"

    name: install java package in CentOS

  package:
   name: java
    state: present
 vars:
   packages:
    - openjdk-11-jdk
 when: ansible_distribution == "CentOS"
Python3, pip3, and java are installed via playbook.
```





```
5. PUSH and COMMIT your PrelimExam in your GitHub repo
jefferson@LocalMachine-VirtualBox:~/Langbid PrelimExam$ sudo nano config.yaml
 jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git status
 On branch main
 Your branch is up to date with 'origin/main'.
 Untracked files:
   (use "git add <file>..." to include in what will be committed)
 nothing added to commit but untracked files present (use "git add" to track)
 jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git add ansible.cfg
jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git add config.yaml
 jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git add inventory
 iefferson@LocalMachine-VirtualBox:~/Langbid PrelimExamS
 jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git commit -m "PrelimEx
 [main 06f7828] PrelimExam
  3 files changed, 56 insertions(+)
  create mode 100644 ansible.cfg
  create mode 100644 config.yaml
  create mode 100644 inventory
 jefferson@LocalMachine-VirtualBox:~/Langbid_PrelimExam$ git push origin
 Enumerating objects: 6, done.
 Counting objects: 100% (6/6), done.
 Compressing objects: 100% (4/4), done.
 Writing objects: 100% (5/5), 851 bytes | 851.00 KiB/s, done.
 Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
 To github.com:jlangbid13/Langbid PrelimExam.git
    6b23ea4..06f7828 main -> main
ests 🕟 Actions 🖽 Projects 🕮 Wiki 🕕 Security 🗠 Insights 🕸 Settings
                                                                                    About
      រូម main → រូម 1 branch 🛇 0 tags
                                                           Go to file
                                                                   Add file ▼
                                                                           Code -
                                                                                    No description, we
      ilangbid13 PrelimExam
                                                            06f7828 1 minute ago 3 2 commits
                                                                                    ☐ Readme
      README.md
                                                                                    ☆ 0 stars
                               Initial commit
                                                                          5 hours ago

    1 watching

       ansible.cfg
                               PrelimExam
                                                                         1 minute ago
                                                                                    약 0 forks
       config.yaml
                               PrelimExam
                                                                         1 minute ago
      inventory
                               PrelimExam
                                                                         1 minute ago
                                                                                    Releases
                                                                                    No releases published
      README md
```

Jefferson Langbid CPE232-CPE31S23

The files are pushed to the origin which is the PrelimExam repository.

- 6. Your document report should be submitted here.
- 7. For your prelim exam to be counted, please paste your repository link here.

<u>ilangbid13/Langbid_PrelimExam (github.com)</u>