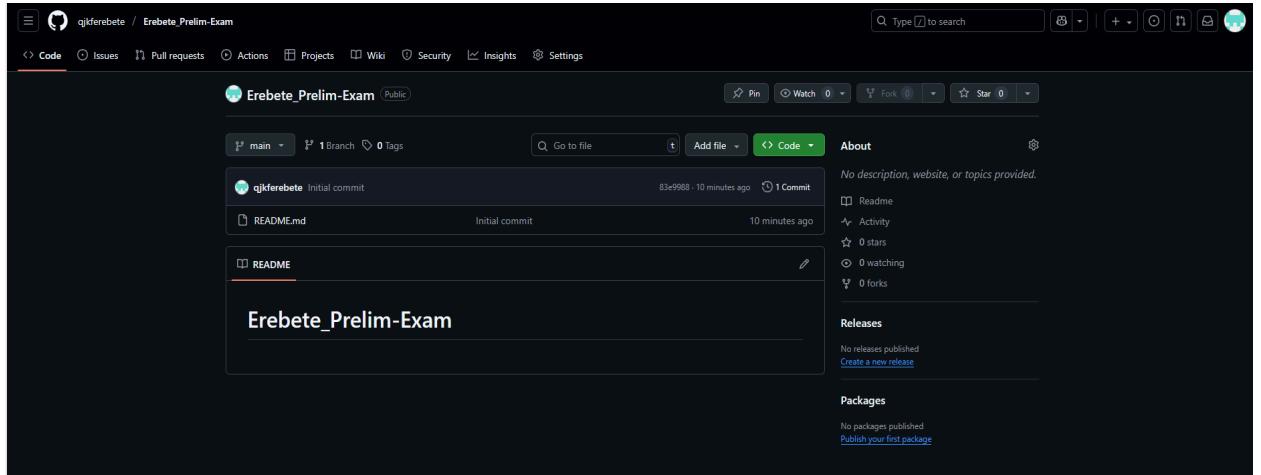


1. Note: You are required to create a document report of the steps you will do for this exam.
All screenshots should be labeled and explained properly. LABELED AND EXPLAIN EACH CODE (PLAYBOOK) No explanation = Minus Points
2. Create a repository in your GitHub account and label it as Surname_PrelimExam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

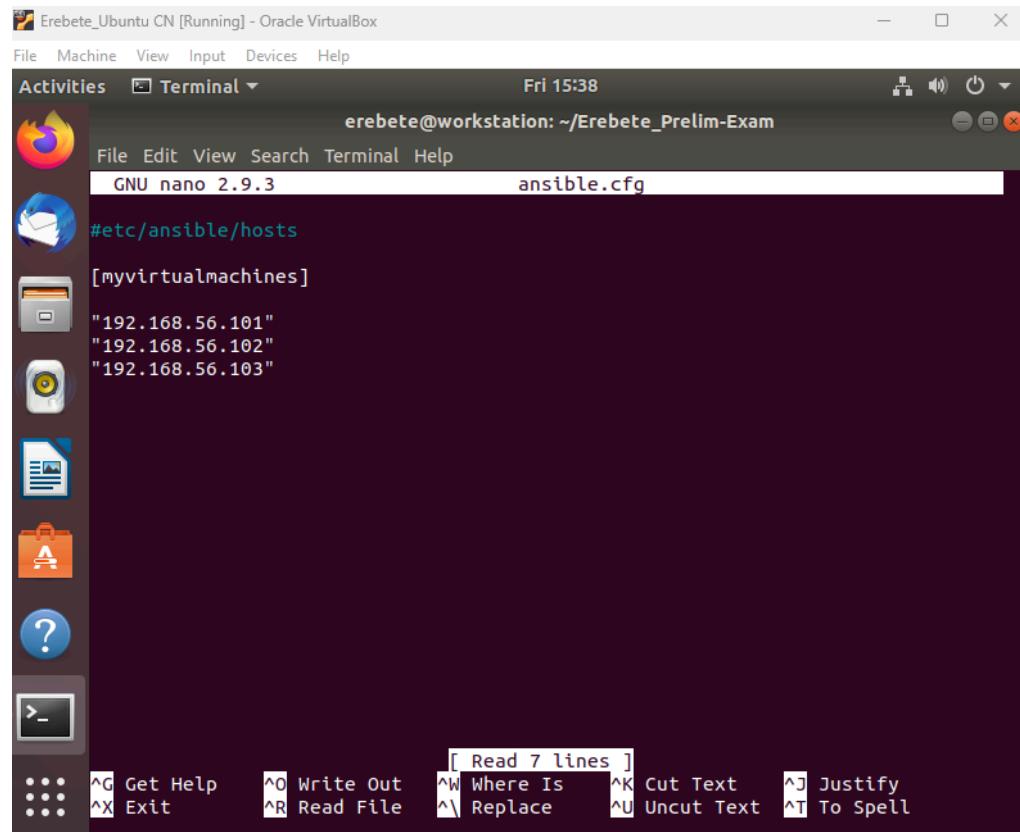


3. Clone your new repository in your CN
 - Cloning the repository from github to ubuntu control node.

```
erebete@workstation:~$ git clone git@github.com:qjkferebete/Erebete_Prelim-Exam.git
Cloning into 'Erebete_Prelim-Exam'...
Warning: Permanently added the ECDSA host key for IP address '20.87.245.0' to t
he 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 (from 0)
Receiving objects: 100% (3/3), done.
erebete@workstation:~$ ls
CPE232_Erebete  Documents  Erebete_Prelim-Exam  Music      Public      Templates
Desktop        Downloads   examples.desktop    Pictures    README.md  Videos
erebete@workstation:~$
```

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

```
erebete@works
ansible.cfg
```



The screenshot shows a Linux desktop environment with a dark theme. A terminal window titled "GNU nano 2.9.3" is open, displaying the contents of the file "ansible.cfg". The file contains the following configuration:

```
#etc/ansible/hosts
[myvirtualmachines]
"192.168.56.101"
"192.168.56.102"
"192.168.56.103"
```



The screenshot shows a terminal window titled "inventory.ini" with the command "GNU nano 2.9.3" at the top. The file contains the following configuration:

```
/etc/ansible/hosts
192.168.56.101 ansible_user = erebete@workstation
192.168.56.102 ansible_user = erebete@server1
192.168.56.103 ansible_user = erebete@server2
```

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

```
task:  
  name: install latest python3 and pip3  
  apt:  
    -name:python3  
    pip3  
    state:latest  
    update_apache: yes
```

- This code will install the python3 and pip3 in the ansible where it will allow you to install a program on it.
- o use pip3 as default pip
- o use python3 as default python
- o Install Java open-jdk
- o Install MariaDB as well as starting the server, create a database and a table using mariaDB and input one record into a table USING ANSIBLE ONLY

```
-name:Install Maria DB  
apt:  
  Mysql Server  
  
banner: "Ansible Managed node by Erebete"
```

- o 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)"

```
status.update  
- banner: "Ansible Managed node by Erebete"
```

- o Create a user with a variable defined in config.yaml

5. PUSH and COMMIT your PrelimExam in your GitHub repo

```
erebete@workstation:~/Erebete_Prelim-Exam$ git commit -m "Prelim Exam"
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  ansible.cfg
  config.yaml
  inventory.ini
  inventory.yaml

nothing added to commit but untracked files present
```

```
erebete@workstation:~/Erebete_Prelim-Exam$ git push origin main
Everything up-to-date
```

6. Your document report should be submitted here.
7. For your prelim exam to be counted, please paste your repository link here. (Failure to submit will result in ZERO)

[Github](#)

8. NO USE OF EXTERNAL WEBSITES SUCH AS , REDDIT, CHATGPT, GITHUB, GEMINI, CLAUDE, FORUMS, AND DOCUMENTATIONS. FAILURE TO COMPLY WITH RESULT IN ZERO.