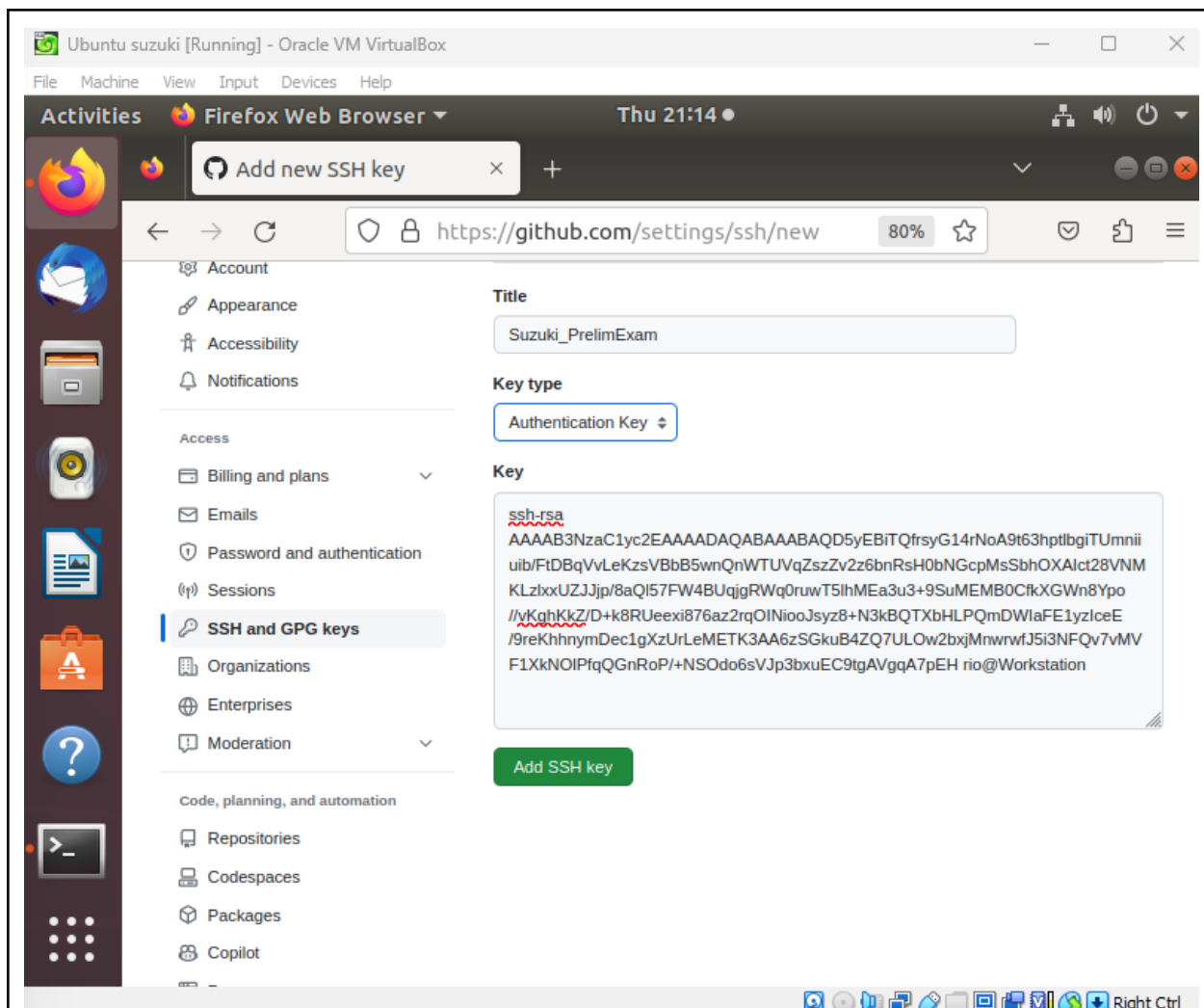


Prelim Skills Exam	
<b>Name:</b> Rio Marie G. Suzuki	<b>Date:</b> 09/25/2023
<b>Course/Section:</b> CPE232S6	<b>Instructor:</b> Dr. Jonathan Taylar
<b>Tools Needed:</b>	
<ol style="list-style-type: none"><li>1. Control Node (CN) - 1</li><li>2. Manage Node (MN) - 1 Ubuntu</li><li>3. Manage Node (MN) - 1 CentOS</li></ol>	
<b>Procedure:</b>	
<ol style="list-style-type: none"><li>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.</li><li>2. Create a repository in your GitHub account and label it as Surname_PrelimExam</li></ol>	



3. Clone your new repository in your CN.

```
rio@Workstation:~$ git clone https://github.com/RioMariee/Suzuki_PrelimExam.git
Cloning into 'Suzuki_PrelimExam'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
rio@Workstation:~$
```

```
rio@Workstation:~$ ls
'{'          examples.desktop  inventory         Suzuki_PrelimExam
CPE232_suzuki  id_rsa           Music            Templates
Desktop       'id_rsa\'        Pictures         Videos
Documents     id_rsa.pub       playbook.yaml   Workstation
Downloads     'id_rsa\.pub'    Public

rio@Workstation:~$ cd Suzuki_PrelimExam
rio@Workstation:~/Suzuki_PrelimExam$
```

```

rio@Workstation:~/Suzuki_PrelimExam$ git config --global user.name "rio"
rio@Workstation:~/Suzuki_PrelimExam$ git config --global user.email "qrmgsuzuki@tip.edu.ph"
rio@Workstation:~/Suzuki_PrelimExam$

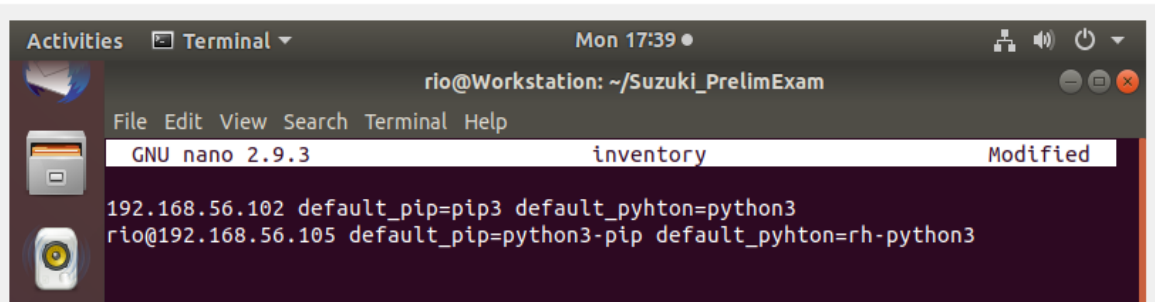
```

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

```

rio@Workstation:~/Suzuki_PrelimExam$ sudo nano inventory
[sudo] password for rio:

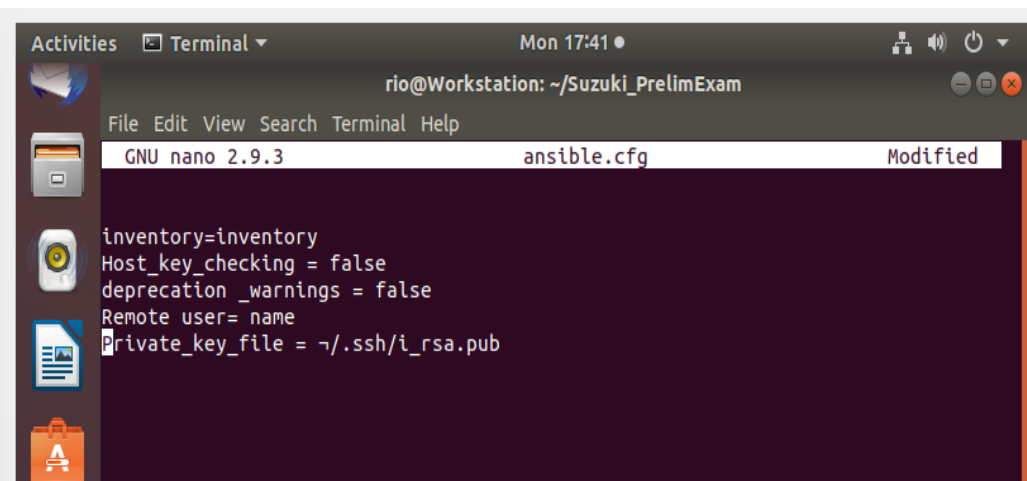
```



```

rio@Workstation:~/Suzuki_PrelimExam$ sudo nano ansible.cfg
rio@Workstation:~/Suzuki_PrelimExam$

```



```

rio@Workstation:~/Suzuki_PrelimExam$ ansible all -m ping
[DEPRECATION WARNING]: Ansible will require Python 3.8 or newer on the
controller starting with Ansible 2.12. Current version: 3.6.9 (default, Mar 10
2023, 16:46:00) [GCC 8.4.0]. This feature will be removed from ansible-core in
version 2.12. Deprecation warnings can be disabled by setting
deprecation_warnings=False in ansible.cfg.
[WARNING]: provided hosts list is empty, only localhost is available. Note that
the implicit localhost does not match 'all'
rio@Workstation:~/Suzuki_PrelimExam$

```

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

```
- name: install the latest python3 and pip3
  apt:
```

- use pip3 as default pip

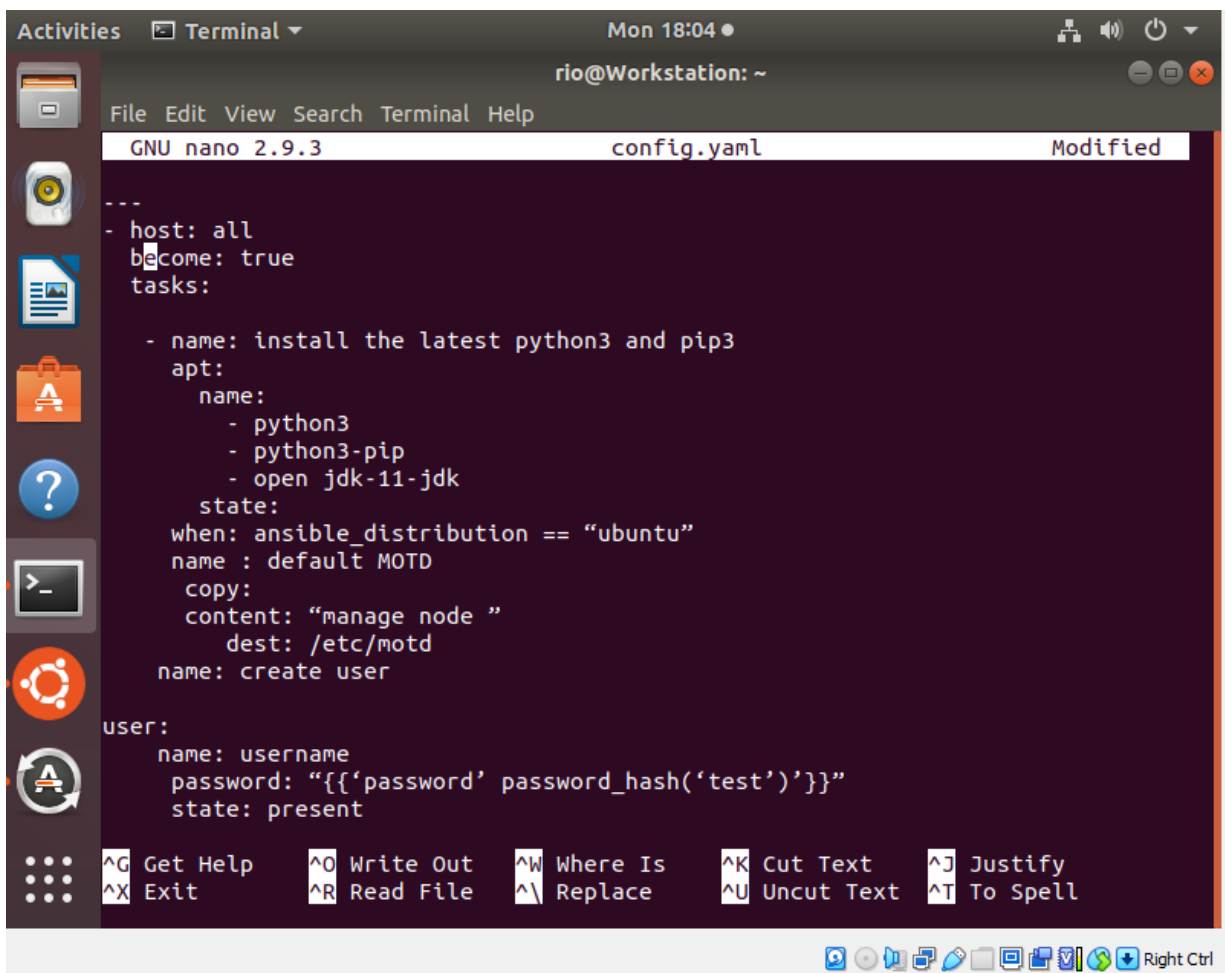
```
- python3-pip
```

- use python3 as default python

```
- name: install the latest python3 and pip3
  apt:
    name:
      - python3
```

- Install Java open-jdk

```
- open jdk-11-jdk
```



Activities Terminal Mon 18:04 rio@Workstation: ~

File Edit View Search Terminal Help

GNU nano 2.9.3 config.yaml Modified

```
---
- host: all
  become: true
  tasks:

    - name: install the latest python3 and pip3
      apt:
        name:
          - python3
          - python3-pip
          - open jdk-11-jdk
        state:
        when: ansible_distribution == "ubuntu"
        name : default MOTD
        copy:
          content: "manage node "
          dest: /etc/motd
        name: create user

  user:
    name: username
    password: "{{'password' password_hash('test')}}}"
    state: present
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Right Ctrl

- 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)"

```
- name : default MOTD
  copy:
    content: "manage node "
    dest: /etc/motd
```

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

```
- name: create user
  user:
    name: username
    password: "{{'password' password_hash('test')}}"
```

##### 5. PUSH and COMMIT your PrelimExam in your GitHub repo

```
rio@Workstation:~/Suzuki_PrelimExam$ git commit -m "Suzuki_PrelimExam"
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  ansible.cfg
  config.yaml
  inventory





nothing added to commit but untracked files present
rio@Workstation:~/Suzuki_PrelimExam$
```

```
nothing added to commit but untracked files present
rio@Workstation:~/Suzuki_PrelimExam$ git push origin main
Username for 'https://github.com': RioMariee
Password for 'https://RioMariee@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RioMariee/Suzuki_PrelimExam.git/'
rio@Workstation:~/Suzuki_PrelimExam$
```

##### 6. Your document report should be submitted here.

##### 7. For your prelim exam to be counted, please paste your repository link here.

[https://github.com/RioMariee/Suzuki\\_PrelimExam.git](https://github.com/RioMariee/Suzuki_PrelimExam.git)

SO 7 - HOA Complete (6)									
Criteria	Ratings							Pts	
 T.I.P. SO 7.1 Acquire and apply new knowledge from outside sources threshold: 4.2 pts	6 pts [Excellent] Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued independently and applies knowledge learned into practice	5 pts [Good] Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued independently	4 pts [Satisfactory] Look beyond classroom requirements, showing interest in pursuing knowledge independently	3 pts [Unsatisfactory] Begins to look beyond classroom requirements, showing interest in pursuing knowledge independently	2 pts [Poor] Relies on classroom instruction only	1 pts [Very Poor] No initiative or interest in acquiring new knowledge	6 pts		
 T.I.P. SO 7.2 Learn independently threshold: 4.2 pts	6 pts [Excellent] Completes an assigned task independently and practices continuous improvement	5 pts [Good] Completes an assigned task without supervision or guidance	4 pts [Satisfactory] Requires minimal guidance to complete an assigned task	3 pts [Unsatisfactory] Requires detailed or step-by-step instructions to complete a task	2 pts [Poor] Shows little interest to complete a task independently	1 pts [Very Poor] No interest to complete a task independently	6 pts		
 T.I.P. SO 7.3 Critical thinking in the broadest context of technological change threshold: 4.2 pts	6 pts [Excellent] Synthesizes and integrates information from a variety of sources; formulates a clear and precise perspective; draws appropriate conclusions	5 pts [Good] Evaluate information from a variety of sources; formulates a clear and precise perspective.	4 pts [Satisfactory] Analyze information from a variety of sources; formulates a clear and precise perspective.	3 pts [Unsatisfactory] Apply the gathered information to formulate the problem	2 pts [Poor] Gather and summarized the information from a variety of sources but failed to formulate the problem	1 pts [Very Poor] Gather information from a variety of sources	6 pts		
 T.I.P. SO 7.4 Creativity and adaptability to new and emerging technologies threshold: 4.2 pts	6 pts [Excellent] Ideas are combined in original and creative ways in line with the new and emerging technology trends to solve a problem or address an issue.	5 pts [Good] Ideas are creative and adapt the new knowledge to solve a problem or address an issue	4 pts [Satisfactory] Ideas are creative in solving a problem, or address an issue	3 pts [Unsatisfactory] Shows some creative ways to solve the problem	2 pts [Poor] Shows initiative and attempt to develop creative ideas to solve the problem	1 pts [Very Poor] Ideas are copied or restated from the sources consulted	6 pts		
Total Points: 24									

git commit -m "Suzuki\_PrelimExam"

git push origin main