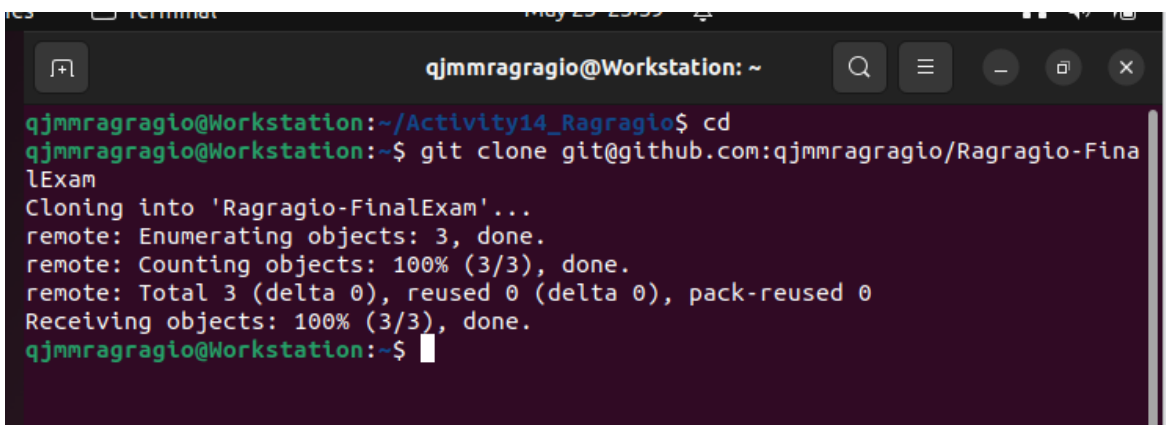
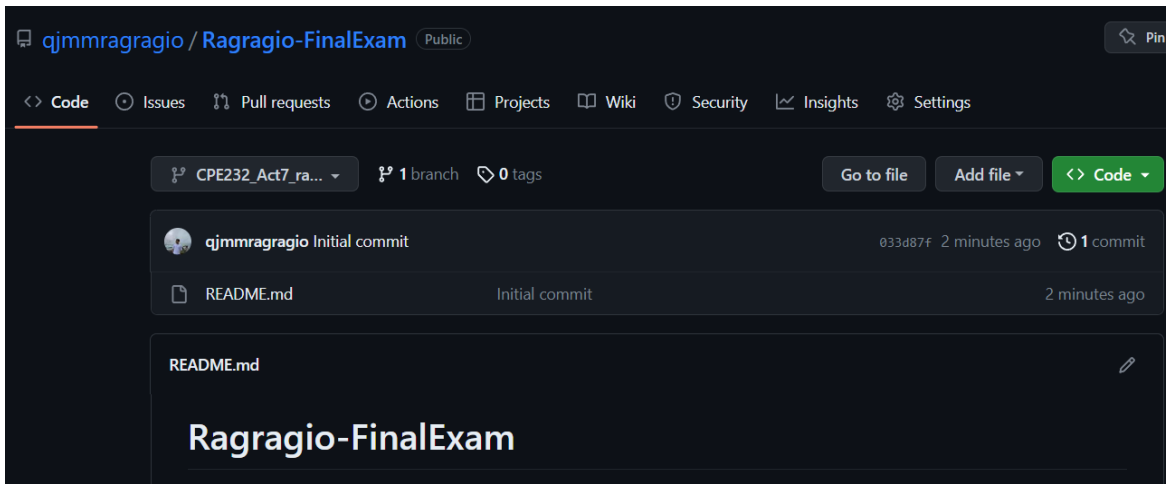


FINAL EXAMINATION	
Name: Ragragio, John Michael	Date Performed: 05/23/2023
Course/Section: CPE232-CPE31S1	Date Submitted: 05/23/2023
Instructor: Dr. Taylar	Semester and SY: 1st Sem and 3rd yr.

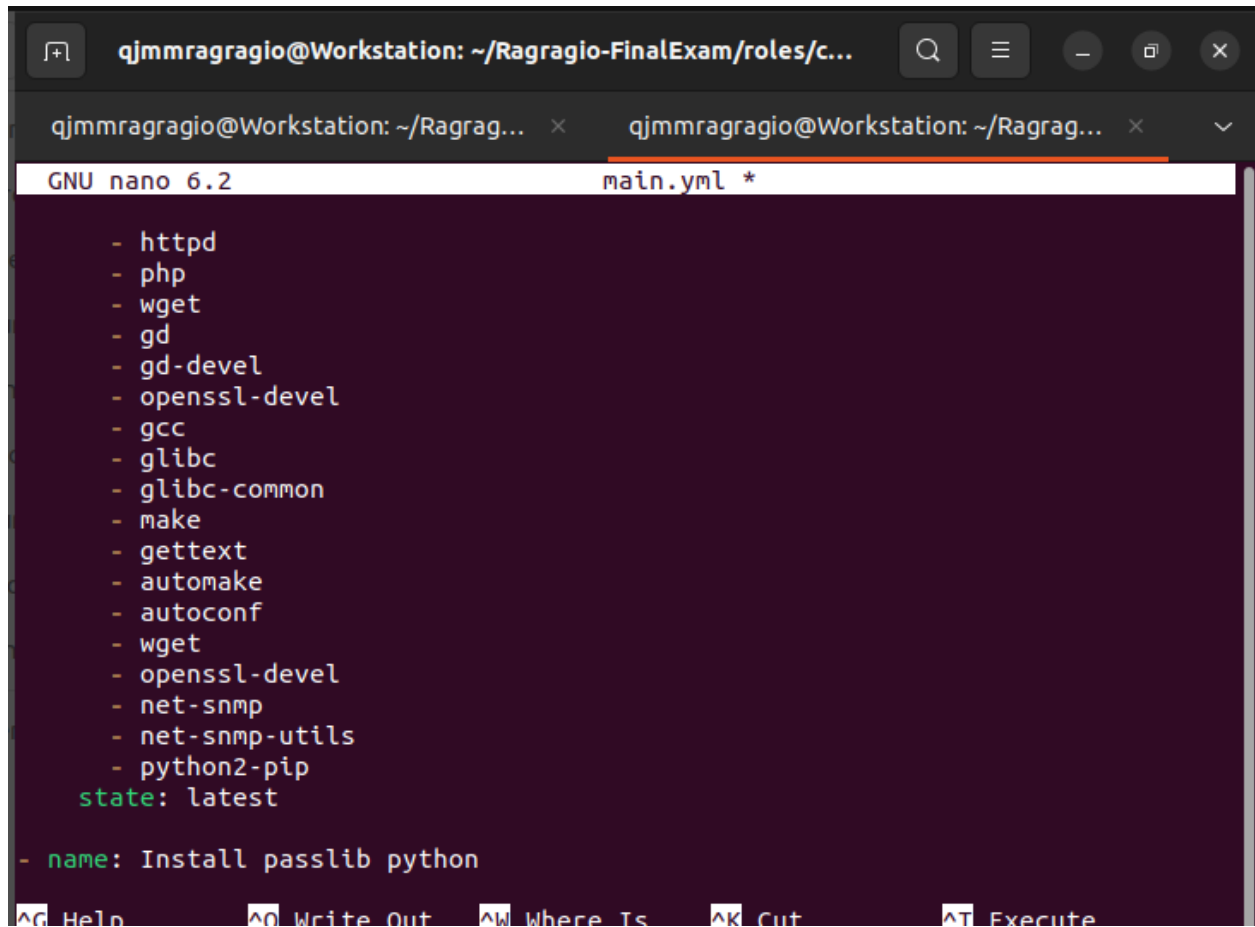
Tools Needed:
<ol style="list-style-type: none"> 1. VM with Ubuntu, CentOS and Ansible installed 2. Web browser
Procedure:
<ol style="list-style-type: none"> 1. Create a repository and label it as "Final_Exam_Surname" 2. Clone your new repository in your VM 3. Create an Ansible playbook that does the following with an input of a config.yaml file and structure inventory file. <ol style="list-style-type: none"> 3.1 Install and configure one enterprise service that can be installed in Debian and Centos servers 3.2 Install and configure one monitoring tool that can be installed in Debian and Centos servers (if it is a stack there should be option of different host) 4.4 Change Motd as "Ansible Managed by <username>" 4. Push and commit your files in GitHub 5. Make sure to show evidence of input (codes) process (codes successfully running) and output (evidence of installation) 5. For your final exam to be counted, please paste your repository link as an answer in this exam.

Screenshots of my works:



```
qjmmragragio@Workstation: ~/Ragragio-FinalExam
GNU nano 6.2 config.yml *
---
- hosts: all
  become: true
  pre_tasks:
    - name: Fixing dpkg for ubuntu
      tags: ubuntu dpkg
      shell: |
        dpkg --configure -a
      when: ansible_distribution == "Ubuntu"
    - name: Update ubuntu
      tags: ubuntu update
      apt:
        update_cache: yes
        upgrade: dist
      when: ansible_distribution == "Ubuntu"
    - name: download dnf and epel-release
      tags: dnf epel
      yum:
        name:
          - epel-release
          - dnf
```

```
qjmmragio@Workstation: ~/Ragragio-FinalExam/roles/u...
GNU nano 6.2 main.yml
- name: Installing nagios dependencies and libraries.
  tags: dependencies, libraries
  apt:
    name:
      - autoconf
      - gcc
      - libc6
      - make
      - wget
      - unzip
      - apache2
      - php
      - libapache2-mod-php7.4
      - libgd-dev
      - openssl
      - libssl-dev
      - autoconf
      - gcc
      - libc6
      - libmcrypto-dev
      - make
      - libssl-dev
```



The image shows a terminal window with a dark background. At the top, the window title is "qjmmragragio@Workstation: ~/Ragragio-FinalExam/roles/c...". Below the title bar, there are two tabs, both labeled "qjmmragragio@Workstation: ~/Ragrag...". The active tab is highlighted. The terminal content shows the output of the "cat" command for a file named "main.yml". The output is a list of packages in a YAML format, with each package name preceded by a hyphen. The packages listed are: httpd, php, wget, gd, gd-devel, openssl-devel, gcc, glibc, glibc-common, make, gettext, automake, autoconf, wget, openssl-devel, net-snmp, net-snmp-utils, and python2-pip. The list is followed by "state: latest" and "name: Install passlib python". At the bottom of the terminal, there is a prompt character and the text "Help", "Write Out", "Where Is", "Cut", and "Execute".

```
qjmmragragio@Workstation: ~/Ragragio-FinalExam/roles/c...
qjmmragragio@Workstation: ~/Ragrag... x qjmmragragio@Workstation: ~/Ragrag... x
GNU nano 6.2 main.yml *
- httpd
- php
- wget
- gd
- gd-devel
- openssl-devel
- gcc
- glibc
- glibc-common
- make
- gettext
- automake
- autoconf
- wget
- openssl-devel
- net-snmp
- net-snmp-utils
- python2-pip
state: latest
- name: Install passlib python
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
```

My github link: <https://github.com/qjmmragragio/Ragragio-FinalExam>