**Ansible Assignment 3**

1. Could you construct a simple playbook to install Nginx on a server?

Ans: Step 1: Configure Ansible

You need to add your server in ansible host file, Syntax is given below, You need to open the /etc/ansible/hosts file with nano or vim text editor and add the web server

Change the credentials as per your environment, Save and exit from the vim text editor

Step 2: Creating Apache Playbook

You need to create a nginx-playbook.yml and you change it according to your requirement

2. What is the significance of the " notation? And how may variables or dynamic variable names be interpolated?

3.What is the difference between an Ansible role and a playbook role?

Ans: Role is a set of tasks and additional files to configure host to serve for a certain role. Playbook is a mapping between hosts and roles.

4. How can I write a multi-task Ansible handler in Ansible?

Ans: In your handler file, chain the different steps together using notify.

Then refer to it from a task with notify: Restart conditionally

5. What are Ansible Vaults and how do you use them?

Ans: Ansible Vault is a feature of ansible that allows you to keep sensitive data such as passwords or keys in encrypted files, rather than as plaintext in playbooks or roles.

6. How can I use Ansible to create encrypted files?

Ans: The ansible-vault create command is used to create the encrypted file. After typing this command, it will ask for a password and then ask where to put your content

7. What is Ansible Tower, exactly?

Ans: Ansible Tower is the easy-to-use UI and dashboard and REST API for Ansible.

8. What are the benefits of the Ansible Tower?

Ans: ->Centralize your Ansible infrastructure from a modern UI

-> Featuring role-based access control

-> Job scheduling

->Graphical inventory management.

9. What is the role of Ansible in the Continuous Delivery pipeline? Explain.

Ans: The purpose of using Ansible in the pipeline flow is to reuse roles and Playbooks for provisioning, leaving Jenkins only as a process orchestrator instead of a shell script executor.A

10. Using Ansible, how do you build a LAMP stack and deploy a webpage?

Ans: STEP 1: Create our hosts file

STEP 2: Create our playbook.yml

STEP 3: Create our Apache role

STEP 4: Create our MariaDB role

STEP 5: Run our playbook