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| EXP NO: 8 | Install Ansible and configure ansible roles and to write playbooks |
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| DATE: |  |

**AIM: -**

To Install Ansible and configure ansible roles and to write playbooks.

**ALGORITHM / PROCEDURE: -**

# Install Ansible: Install Ansible on your machine using a package manager like apt, yum, or pip, depending on your operating system.

# Create Ansible Roles: Roles are a way of organizing your playbooks into reusable components. You can create roles using the ansible-galaxy command.

# Structure the Roles Directory: A role typically consists of a directory structure that includes tasks, handlers, templates, files, defaults, and vars.

# Write Playbooks: A playbook is a YAML file that defines the tasks to be executed. You can reference roles in your playbook to apply the tasks defined in the role.

# Run the Playbook: Use the ansible-playbook command to run your playbooks, applying the defined roles to the specified hosts.

# **CODING: -**

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- name: Install Nginx

apt:

name: nginx

state: present

update\_cache: yes

- name: Start and enable Nginx service

service:

name: nginx

state: started

enabled: yes

# How to Install Ansible and Run ansible-playbooks on Ubuntu 18.04 LTS – Automate Infra**OUTPUT: -**

# **RESULT: -**

Thus we successfully installed Ansible and configure ansible roles and to write playbooks.