EXP NO: 7	Create an Ansible playbook for a simple web application infrastructure
DATE:	

AIM: -

To Create an Ansible playbook for a simple web application infrastructure.

ALGORITHM / PROCEDURE: -

1. Create an Inventory File: Define your web servers in an Ansible inventory file with their IP addresses or hostnames.

2. Write the Playbook: Create a playbook in YAML format that installs Apache, deploys the web application, and starts the Apache service.

3. Install Apache: Use Ansible's apt module to install Apache on the web servers.

4. Deploy Web Application: Use the copy module to transfer your web application's files (e.g., index.html) to the server's web directory.

5. Ensure Apache is Running: Use the service module to ensure Apache is started and enabled on boot.

CODING: -

```
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- name: Set up simple web application infrastructure

 hosts: web_servers

 become: true  # Use sudo to execute tasks as a privileged user

 tasks:


  - name: Install Apache web server

   apt:

    name: apache2

    state: present

    update_cache: yes
```

- name: Copy web application files to the web server

  copy:

   src: /path/to/your/webapp/index.html # Local path to the web app

   dest: /var/www/html/index.html # Destination on the server

- name: Ensure Apache service is running

  service:

   name: apache2

   state: started

   enabled: yes

OUTPUT: -

RESULT: -

           Thus we successfully Created an Ansible playbook for a simple web application infrastructure.