Lesson 05 Demo 01
Creating an Ansible Playbook

Objective: To create an Ansible playbook to automate tasks like server setup, application deployment, user management, and cloud resource provisioning

Tools required: Linux terminal

Prerequisites: None

Steps to be followed:
1. Create and execute an Ansible playbook

Step 1: Create and execute an Ansible playbook

1.1 Run the following command to create a file:
sudo nano node.yaml

```
poojahksimplile@ip-172-31-79-37:~$ sudo nano node.yaml
poojahksimplile@ip-172-31-79-37:~$
```

1.2 Copy and paste the below script into the **node.yaml** file:

```
---
- name: install nodejs

  hosts: webservers

  gather_facts: True

  become: true

  tasks:

  - name: add apt key for nodesource

    apt_key: url=https://deb.nodesource.com/gpgkey/nodesource.gpg.key

  - name: add repo for nodesource

    apt_repository:
```

```
        repo: 'deb https://deb.nodesource.com/node_0.10
{{ansible_distribution_release }} main'

    update_cache: no

  - name: install nodejs

    apt: name=nodejs
```

```
File   Edit   View   Search   Terminal   Help
  GNU nano 6.2                          node.yaml *
---
- name: install nodejs
  hosts: webservers
  gather_facts: True
  become: true
  tasks:
    - name: add apt key for nodesource
      apt_key: url=https://deb.nodesource.com/gpgkey/nodesource.gpg.key
    - name: add repo for nodesource
      apt_repository:
```

1.3 Run the following command to automate **Node.js** application:
   ansible-playbook node.yaml

```
poojahksimplile@ip-172-31-79-37:~$ ansible-playbook node.yaml

PLAY [install nodejs] ************************************************

TASK [Gathering Facts] ************************************************
ok: [localhost]

TASK [add apt key for nodesource] ************************************
changed: [localhost]

TASK [add repo for nodesource] ***************************************
changed: [localhost]

TASK [install nodejs] ************************************************
changed: [localhost]

PLAY RECAP ***********************************************************
localhost                  : ok=4    changed=3    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

poojahksimplile@ip-172-31-79-37:~$
```

By following these steps, you have successfully created an Ansible playbook to automate tasks like server setup, application deployment, user management, and cloud resource provisioning.