**Lesson 04 Demo 04**

**Implementing Global Variables in Ansible**

**Objective:** To implement global variables in Ansible, define them centrally, and reference them in playbook tasks ensuring consistent variable usage across tasks and hosts

**Tools required:** Linux terminal

**Prerequisites:** None

Steps to be followed:

1. Set up the directory structure
2. Create a global variables file
3. Create a playbook
4. Run the playbook

**Step 1: Set up the directory structure**

1. Run the following command to create the main project directory:   
   **mkdir ansible\_demo**

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1. Navigate into the project directory using the following command:  
   **cd ansible\_demo**

****

1. Run the following command to create a parent directory:  
   **mkdir -p group\_vars  
     
   **

**Step 2: Create a global variables file**

1. Create and open the **all.yml** file in the **group\_vars** directory by using the following command:

**nano group\_vars/all.yml  
  
**

1. Add the following script into the **all.yml** file to define global variables:  
   **# group\_vars/all.yml**

**---**

**greeting: "Hello, World!"**

**number: 42**

**A black and white rectangular object

Description automatically generated**

**Step 3: Create a playbook**

1. Create and open the **demo\_playbook.yml** file using the following command:  
   **nano demo\_playbook.yml**  
     
   
2. Add the following content to the **demo\_playbook.yml** file that references the global variables:  
   **# demo\_playbook.yml**

**---**

**- name: Demo Playbook**

**hosts: localhost**

**gather\_facts: no**

**tasks:**

**- name: Print greeting message**

**debug:**

**msg: "{{ greeting }}"**

**- name: Print the number**

**debug:**

**msg: "The number is {{ number }}"**  
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**Step 4: Run the playbook**

1. Execute the playbook using the following command:  
   **ansible-playbook demo\_playbook.yml**A screenshot of a computer

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   By following these steps, you have successfully implemented global variables in Ansible, defined them centrally and referenced them in playbook tasks, ensuring consistent variable usage across tasks and hosts.