

Question 3: System Information Gathering

Create an Ansible playbook that:

- Retrieves system information such as:
 - Hostname
 - Operating System
 - Kernel version
 - CPU information
 - Memory usage
- Displays the collected information.

Task Requirements:

1. Install Ansible on the Control Machine

- Ensure Ansible is installed.
- If not installed, install it using the appropriate method for your operating system.

2. Configure the Ansible Inventory File

- Create an inventory file (`inventory.ini`) that includes the remote machine details.

3. Create the Ansible Playbook (`system_info.yml`)

- The playbook should:
 - Retrieve system information such as **hostname, OS details, kernel version, CPU model, and total memory**.
 - Display the collected information in a readable format.

4. Execute the Playbook

- Run the Ansible playbook on the remote machine.

5. Verify the Output

- Ensure that the output correctly displays the requested system details.