

Ansible Question 2

Develop an Ansible playbook to automate the creation of a text file on a remote machine. The playbook should ensure the file is created in a specified directory, set the correct ownership and permissions, and optionally include predefined content. The solution must be executed on a remote machine using Ansible automation, ensuring proper configuration and verification.

Task Requirements:

1. Install Ansible on the control machine if not already installed.
2. Configure the Ansible inventory file to include the remote machine details.
3. Create an Ansible playbook that:
 - Creates a file named `sample_file.txt` in the `/home/username/` directory on the remote machine.
 - Ensures the file is owned by the appropriate user and has `0644` permissions.
 - (Optional) Write the content `"Hello, this is a test file created by Ansible."` into the file.
4. Execute the playbook and verify the file has been created on the remote machine.

Deliverables:

- A copy of the Ansible playbook (`.yaml` file).
- A screenshot or terminal output showing the playbook execution and verification.
- A brief explanation of each step involved.