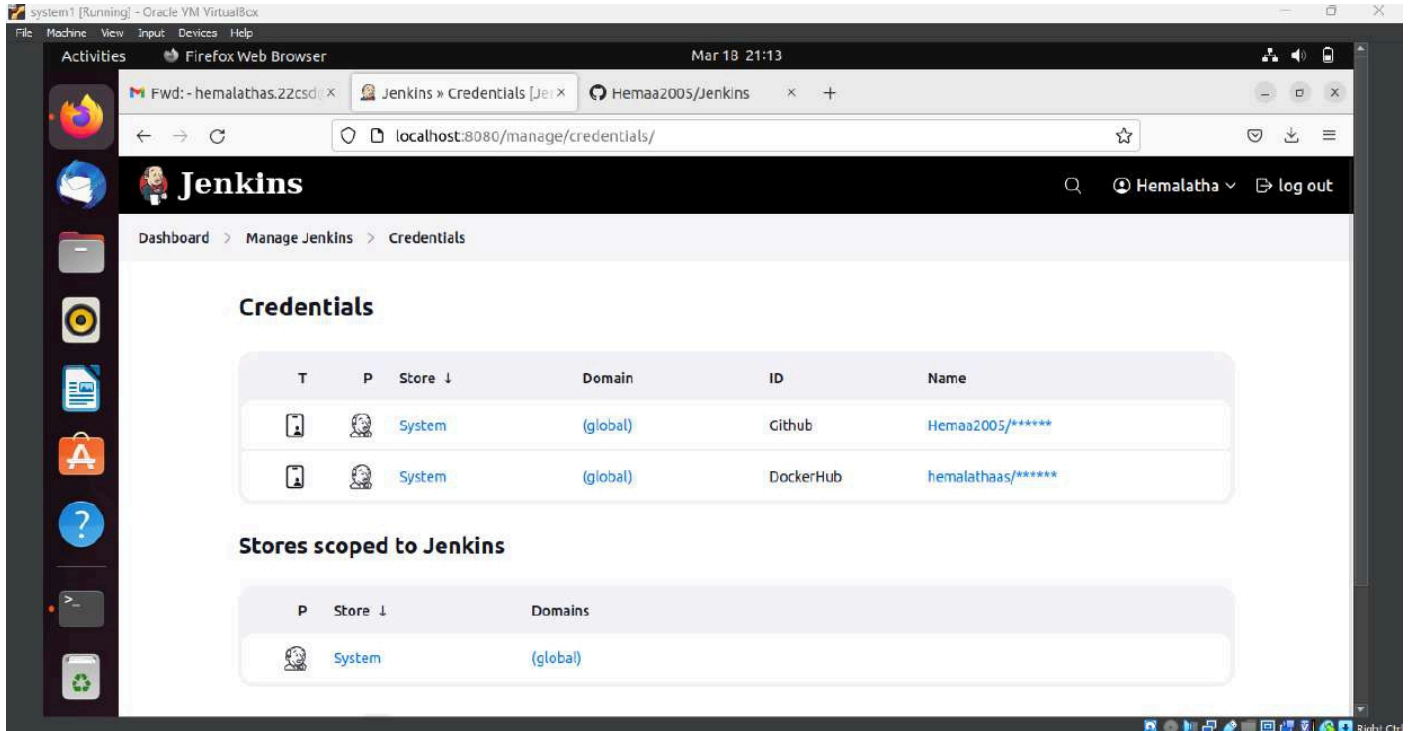


TASK 2

Step 1: Open Jenkins and go to **Manage Jenkins**. Then add your Github and Docker hub credentials.



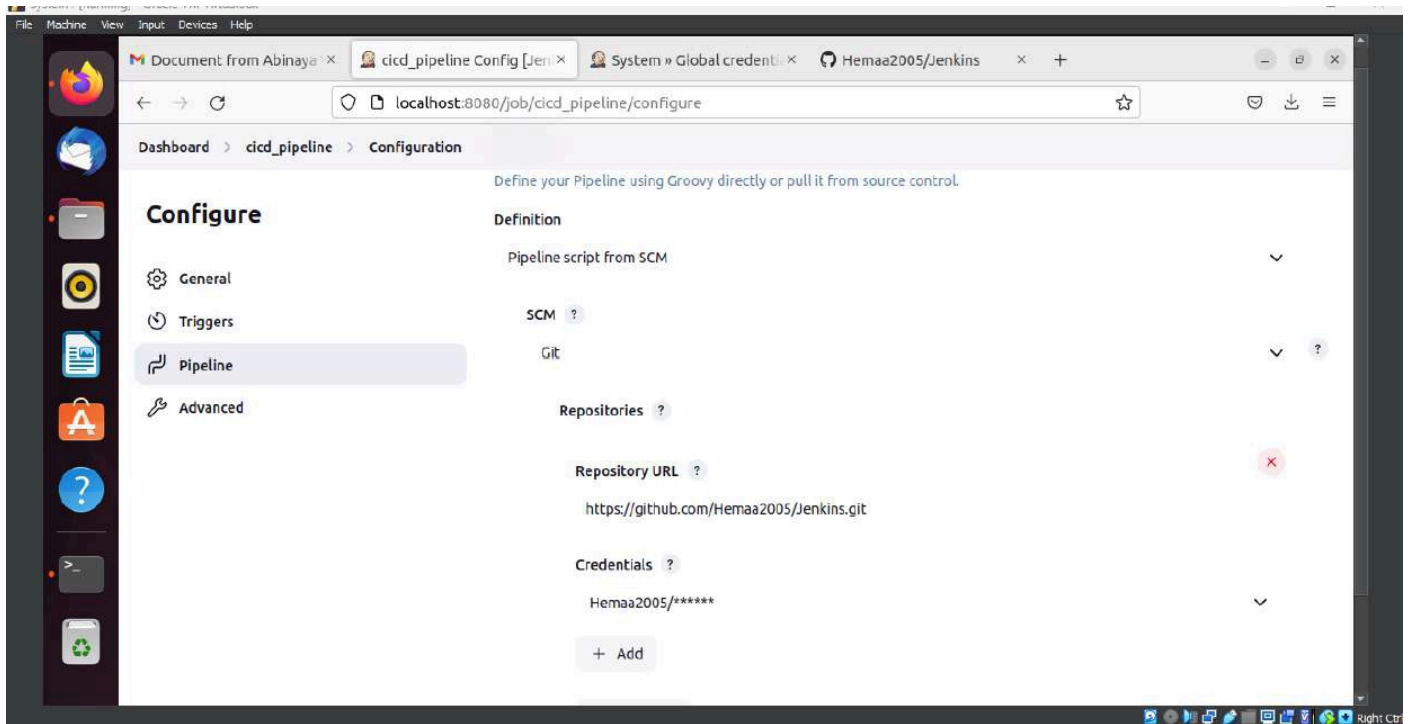
Step 2: Open Jenkins and click **"New Item."**

Step 3: Enter a project name, select **"Pipeline,"** then click **OK.**

Step 4: In the **General** tab, scroll down to the **"Pipeline"** section.

Step 5: Under **"Definition,"** select **"Pipeline script from SCM."**

Step 6: In the **SCM** field, choose **"Git,"** then enter your GitHub repository URL.



Step 7: Ensure your GitHub repository contains the following files:

- app.py (Application code)
- Dockerfile (Instructions to build the Docker image)
- docker-compose.yml (For container orchestration)
- Jenkinsfile (Defines the pipeline stages)
- requirements.txt (Dependencies for the application)

Step 8: Click "**Save**" to apply the configuration.

Step 9: On the project page, click "**Build Now**" to start the job.

Step 10: The build status will appear in the **Build History** panel (left-side panel).

Step 11: Click on the latest build (#1, #2, etc.) and select "**Console Output**" to view logs and results.

