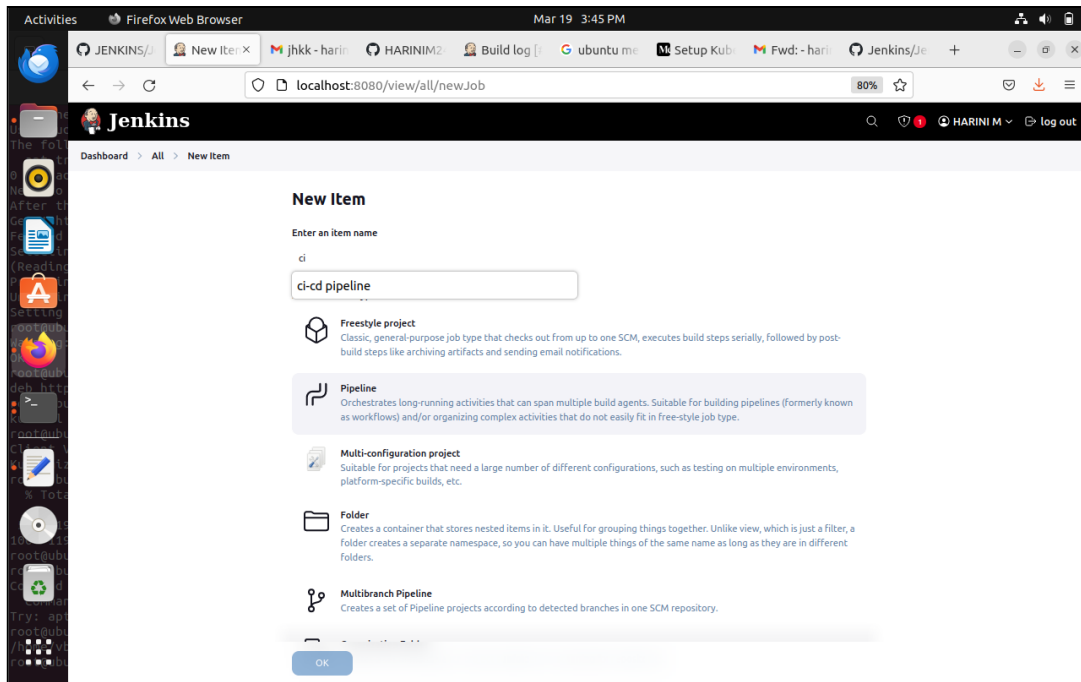


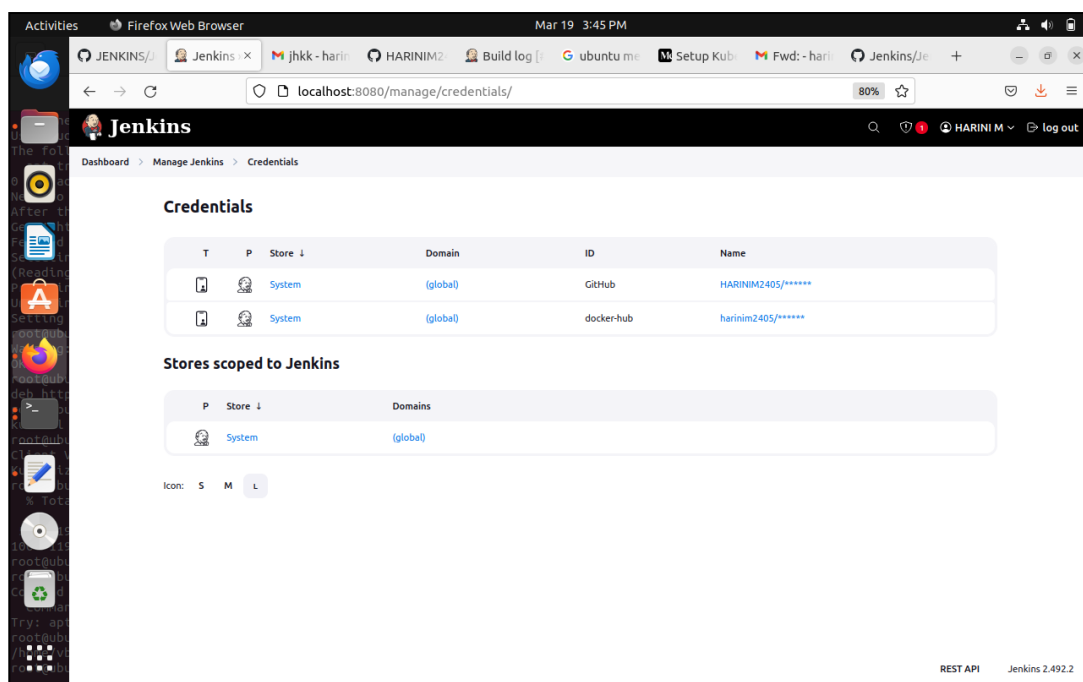
## TASK – 2

**Explanation:** Jenkins-Driven CI/CD Pipeline: Set up a CI/CD pipeline using Jenkins to automate the build, test, and push process of a containerized web application. The pipeline integrates GitHub for source control, Docker for containerization, and Store in Container registry..(tools:Jenkins, Docker )

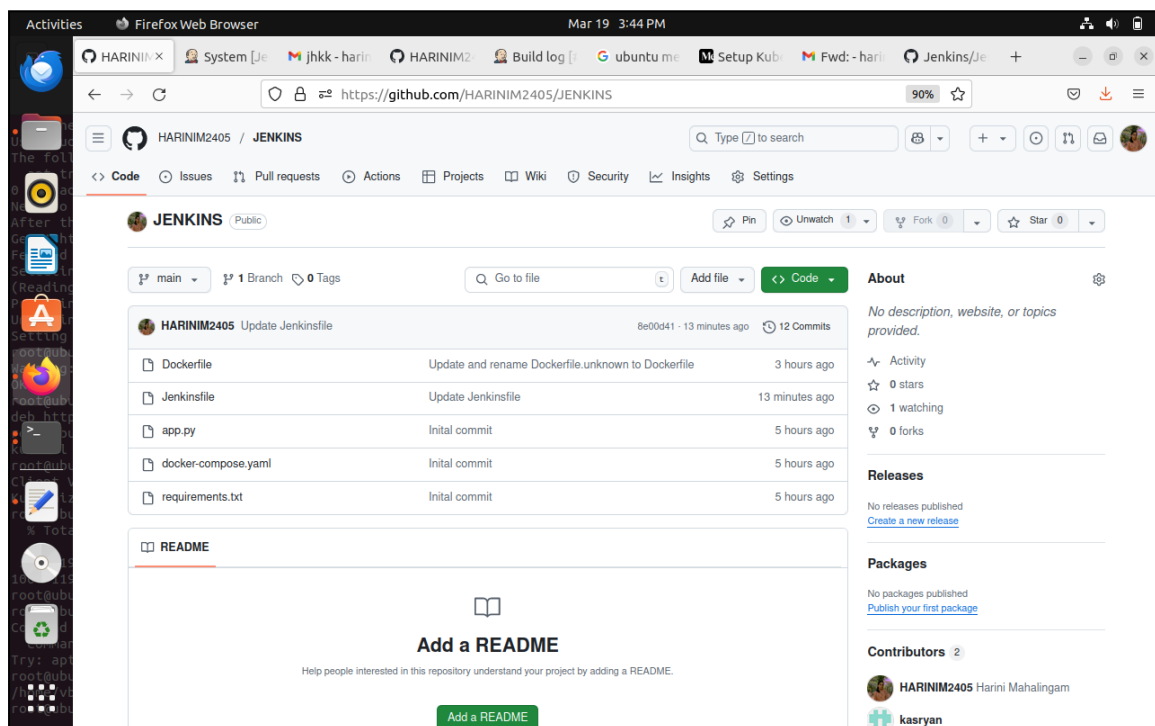
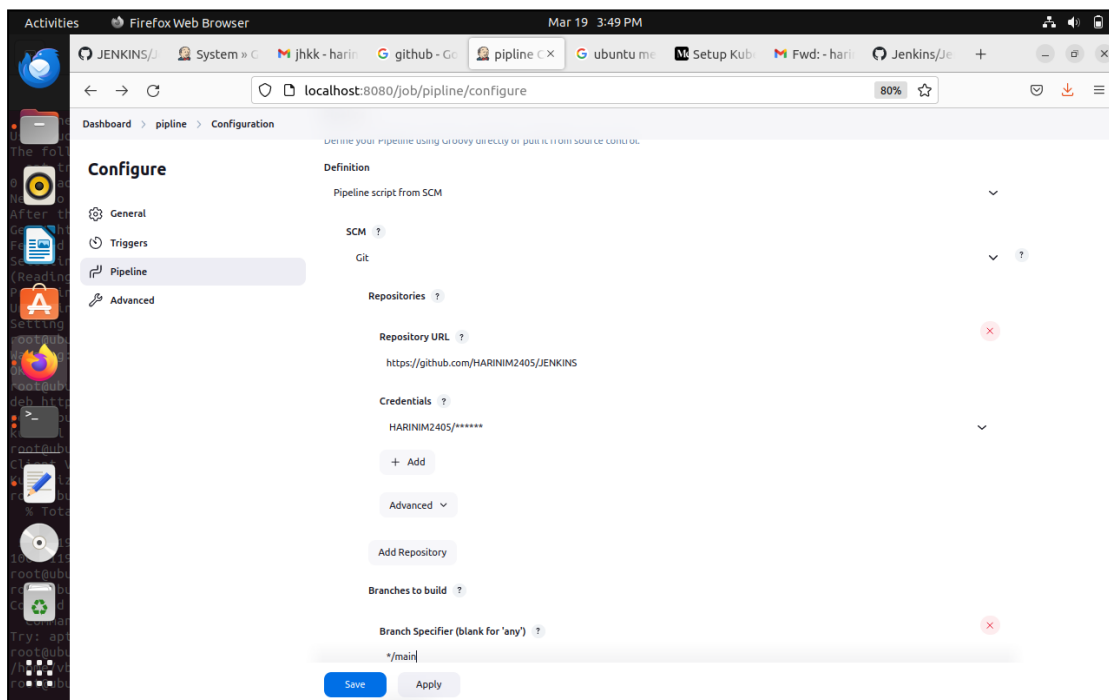
1. Create a New Item – ci-cd pipeline under the pipeline category and click ok.

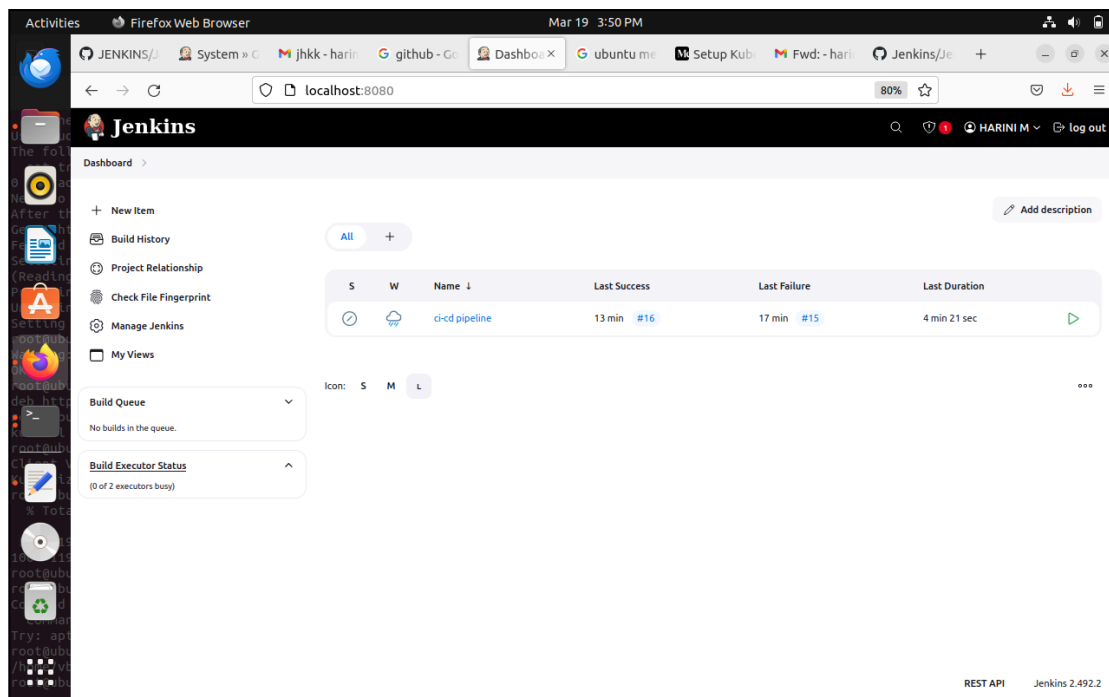
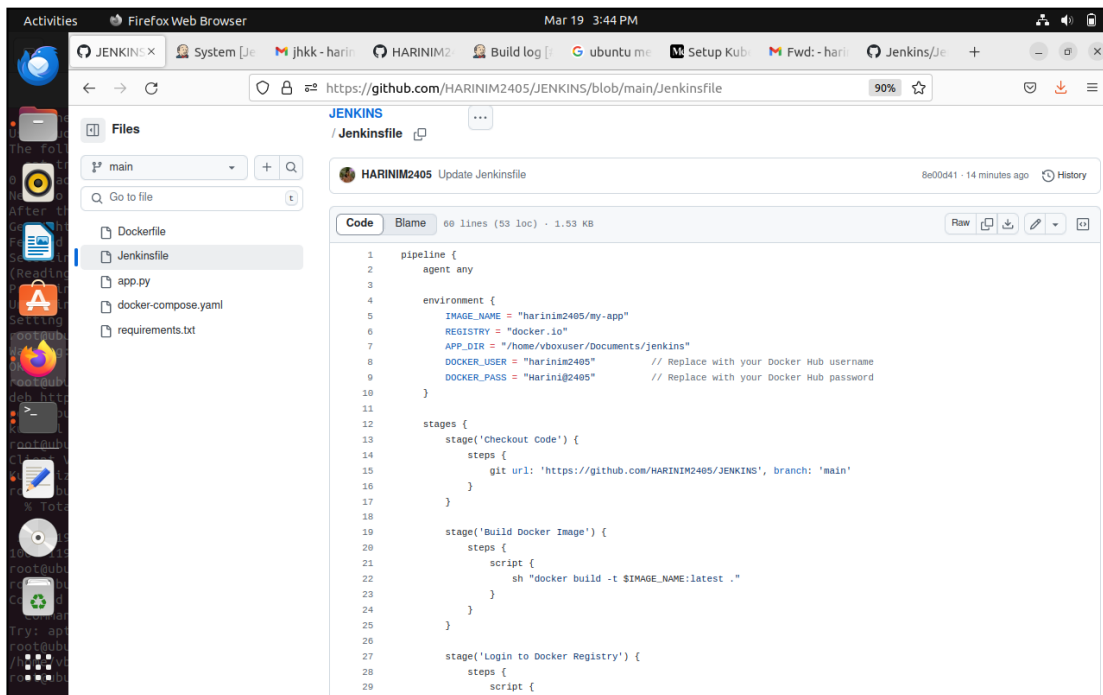


2. Create an account in hub.docker.com and note down your username and password.
3. With the username & password details of GitHub and Docker create CREDENTIALS



4. Define the pipeline using the git repository link where you have pushed the files
5. Also Make the necessary changes in the code of the Jenkins





6. Now Build the pipeline and view the output in the console output or the Pipeline output.

The screenshot displays the Jenkins web interface in a Firefox browser window. The address bar shows the URL `localhost:8080/job/ci-cd pipeline/16/pipeline-console/`. The Jenkins dashboard header includes the Jenkins logo, a search icon, a shield icon, a user profile icon for 'HARINI M', and a 'log out' link. The breadcrumb navigation path is 'Dashboard > ci-cd pipeline > #16 > Pipeline Console'. The main content area features a green checkmark icon and the text '< Build #16 >'. Below this, it states 'Success 6 min 14 sec ago in 4 min 21 sec'. A list of pipeline stages is shown on the left, with 'Post Actions' highlighted in orange. The 'Post Actions' stage details are displayed on the right, indicating it started 1 min 56 sec ago, was queued for 0 ms, took 0.57 sec, and was successful. It was running on the 'Jenkins' agent. A 'View as plain text' link is available. Below the stage details, a message box states 'Pipeline executed successfully!' with a 'Print Message' option and a duration of 0.2 sec. The console output shows a single line: '0 Pipeline executed successfully!'. The bottom right corner of the page indicates 'Jenkins 2.492.2'.