





(21CC505PC) SOFTWARE ENGINEERING LAB LAB EXERCISE - 6

CONTINUOUS INTEGRATION TOOLS

TOPIC-2

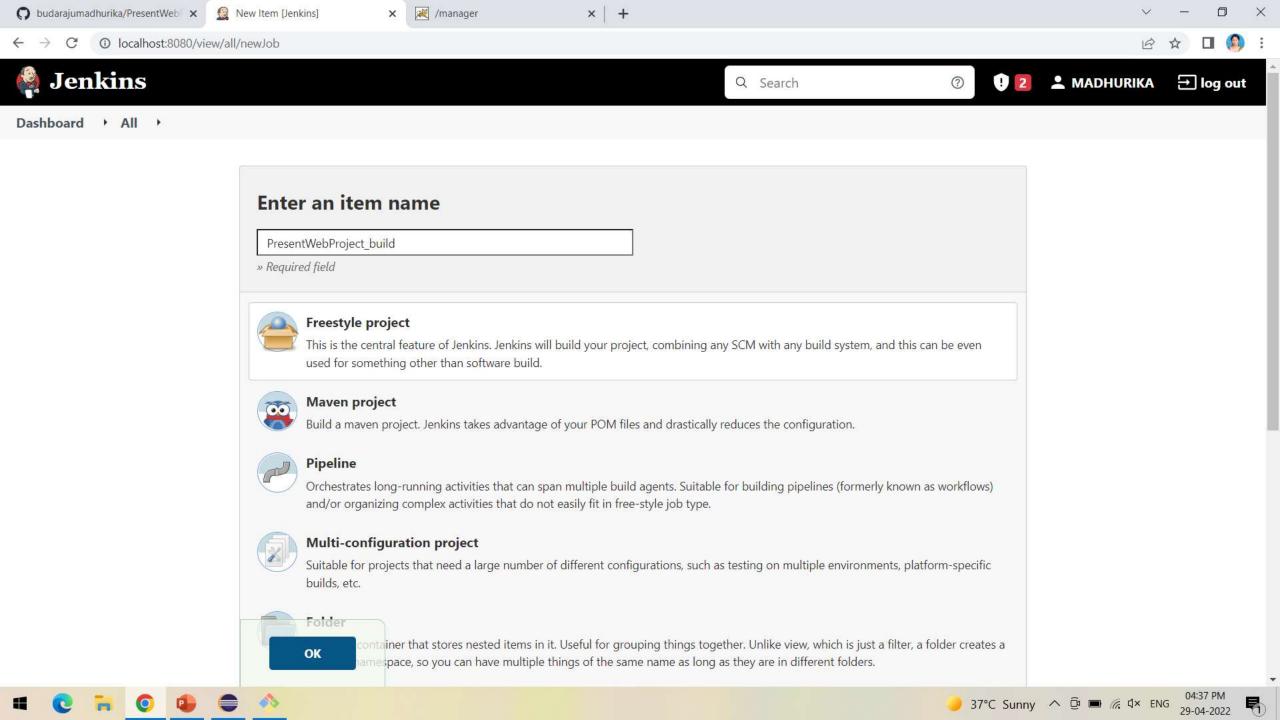
BUILDING THE CI/CD FREESTYLE PIPELINE USING JENKINS FOR MAVEN WEB PROJECT WITH POLL SCM

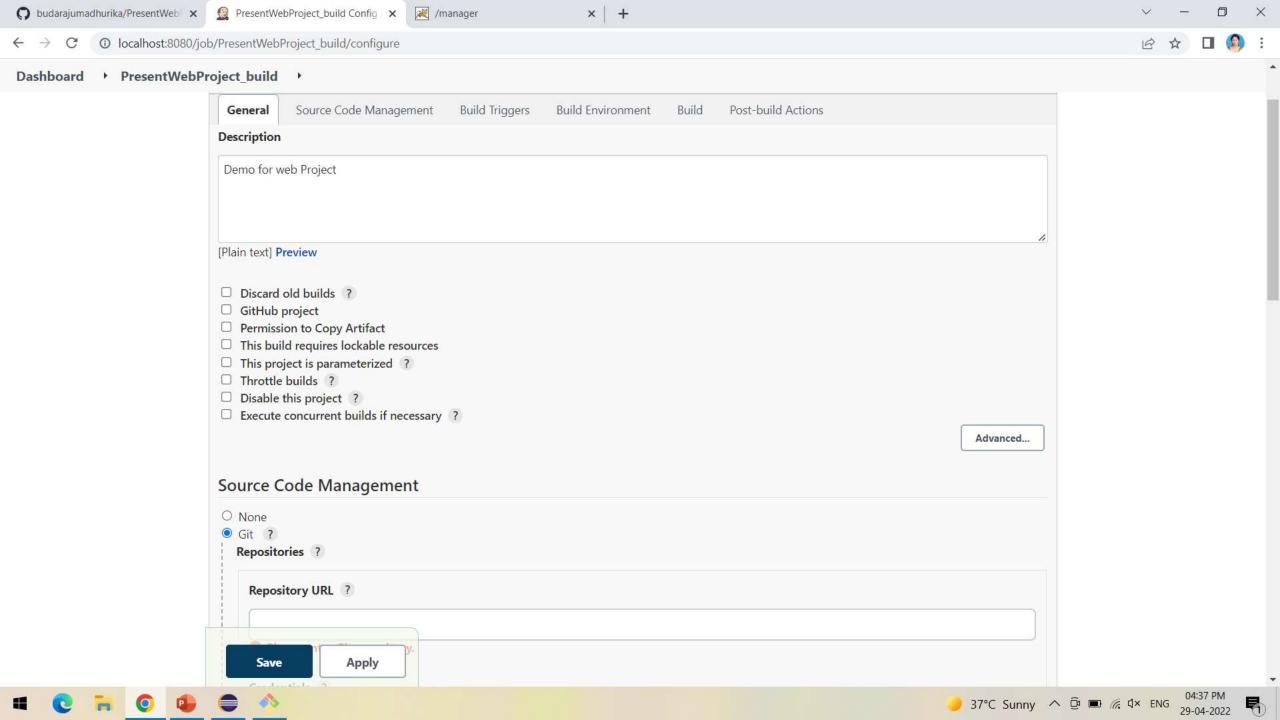


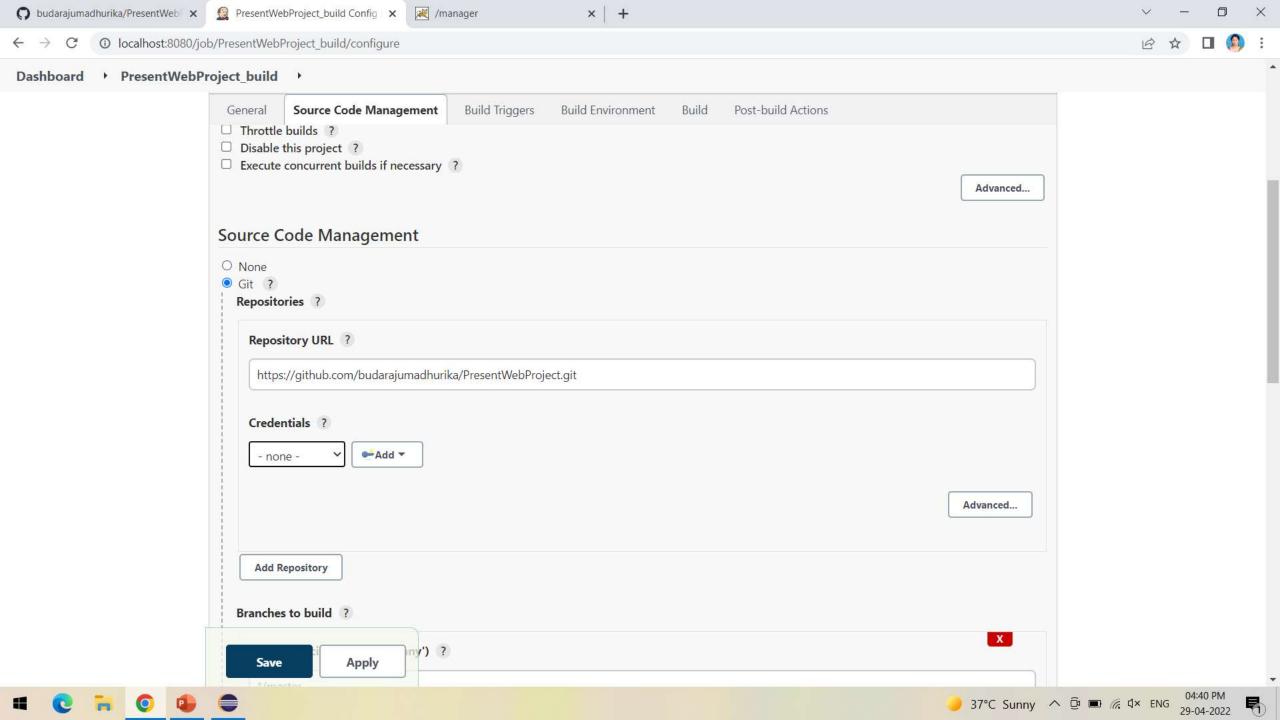
List of Experiments:

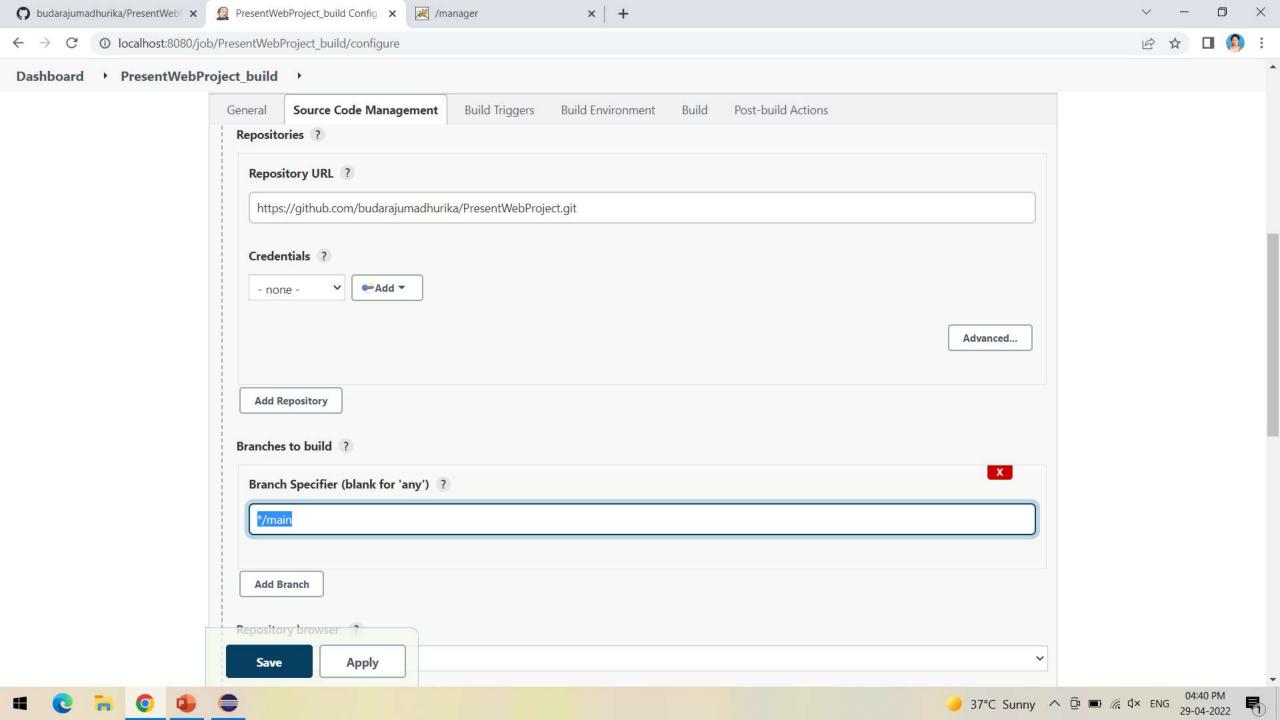
Do the following exercises for any one project given in the list of sample projects or any other projects?

- 1. Development of problem statement.
- 2. Preparation of Software Requirement Specification Document, Design Documents and Testing Phase related documents.
- 3. Study and usage of any Design phase CASE tool
- 4. Creating the project and committing using Git and GitHub
- 5. Creating Maven Java and Maven Web project using Eclipse and Push them to GitHub.
- 6. Building the CI/CD pipeline using Jenkins for the project in the previous experiment.
- 7. Local Deployment of project using Docker, Kubernetes and Monitoring using Nagios tool.
- 8. Cloud Deployment of a project in the AWS Cloud using EC2 instance.









Configure

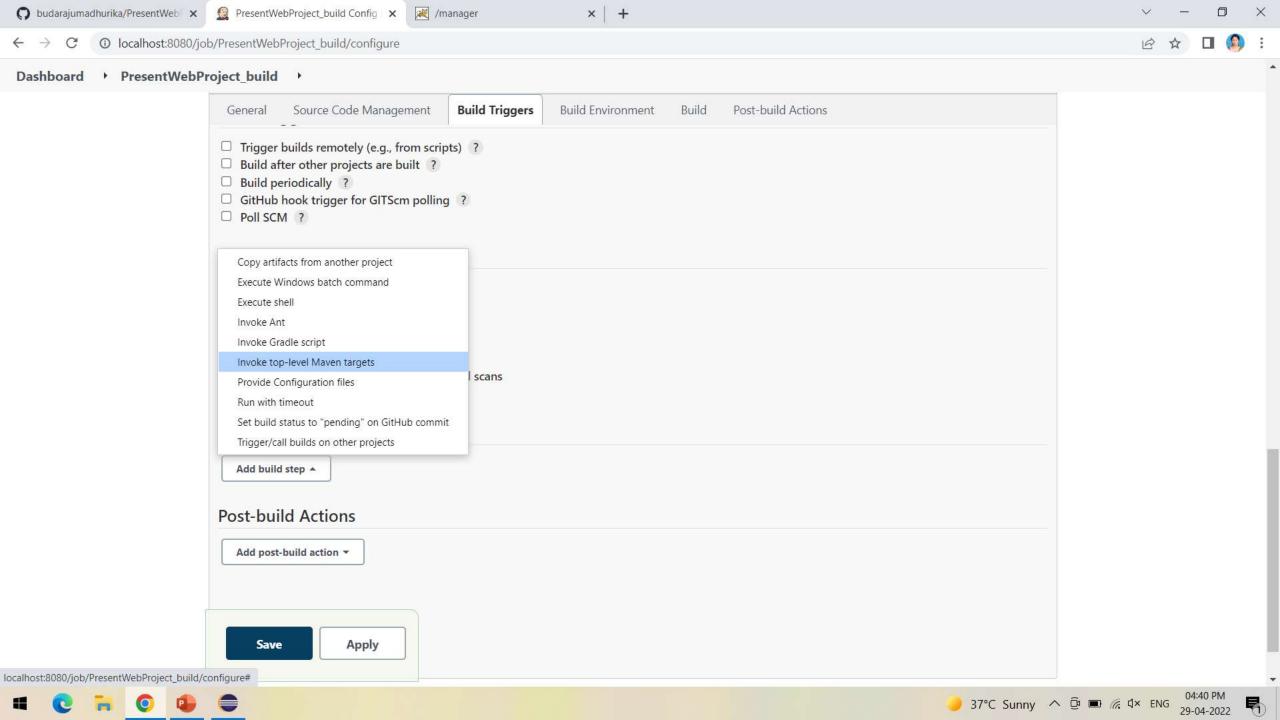
- (General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

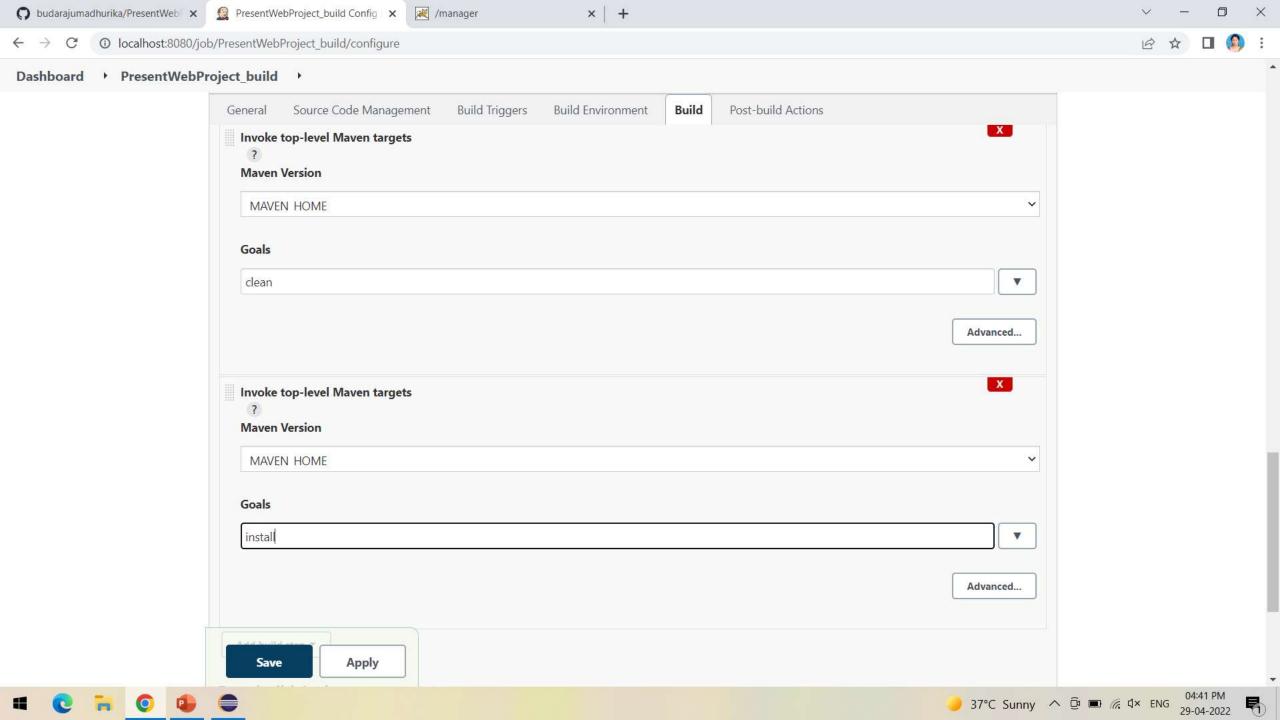
Build Triggers Trigger builds remotely (e.g., from scripts) ? Build after other projects are built ? Build periodically ? GitHub hook trigger for GITScm polling ? Poll SCM ? Schedule ? ****

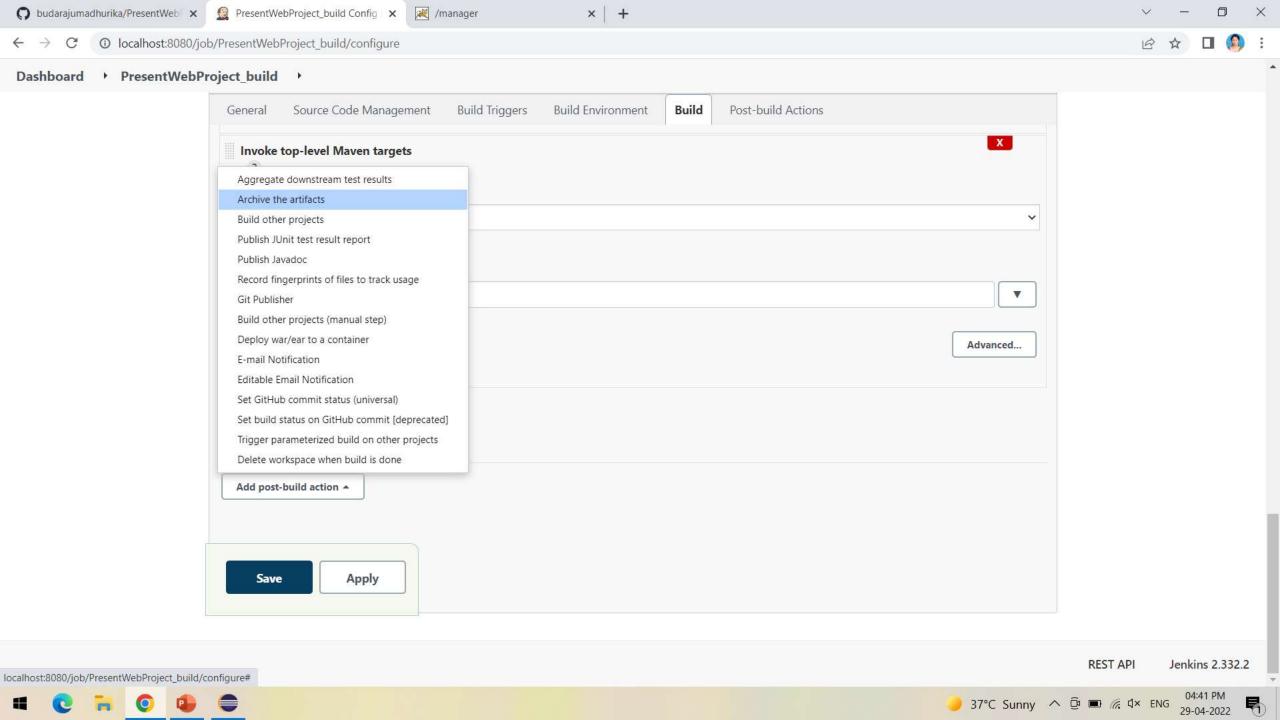
⚠ Do you really mean "every minute" when you say "* * * * * * * ? Perhaps you meant "H * * * * * to poll once per hour

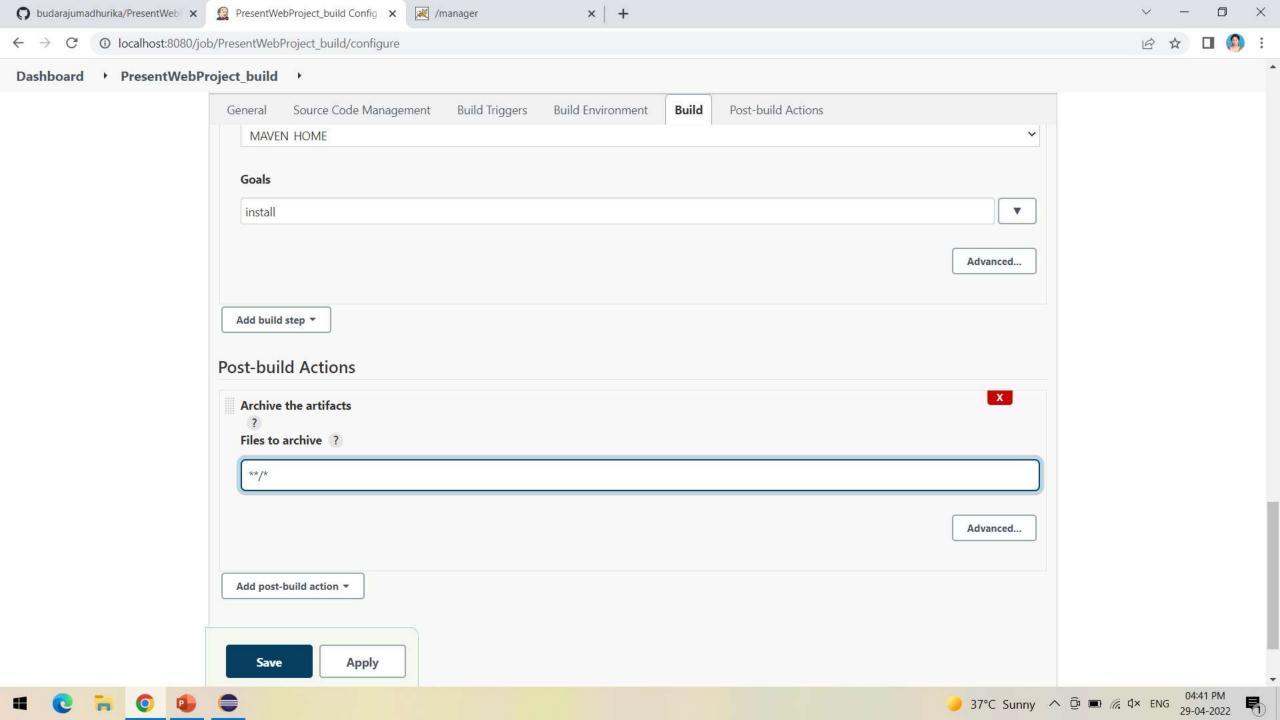
Would last have run at Monday, 11 November, 2024 at 12:39:01 AM India Standard Time; would next run at Monday, 11 November, 2024 at 12:39:01 AM India Standard Time.

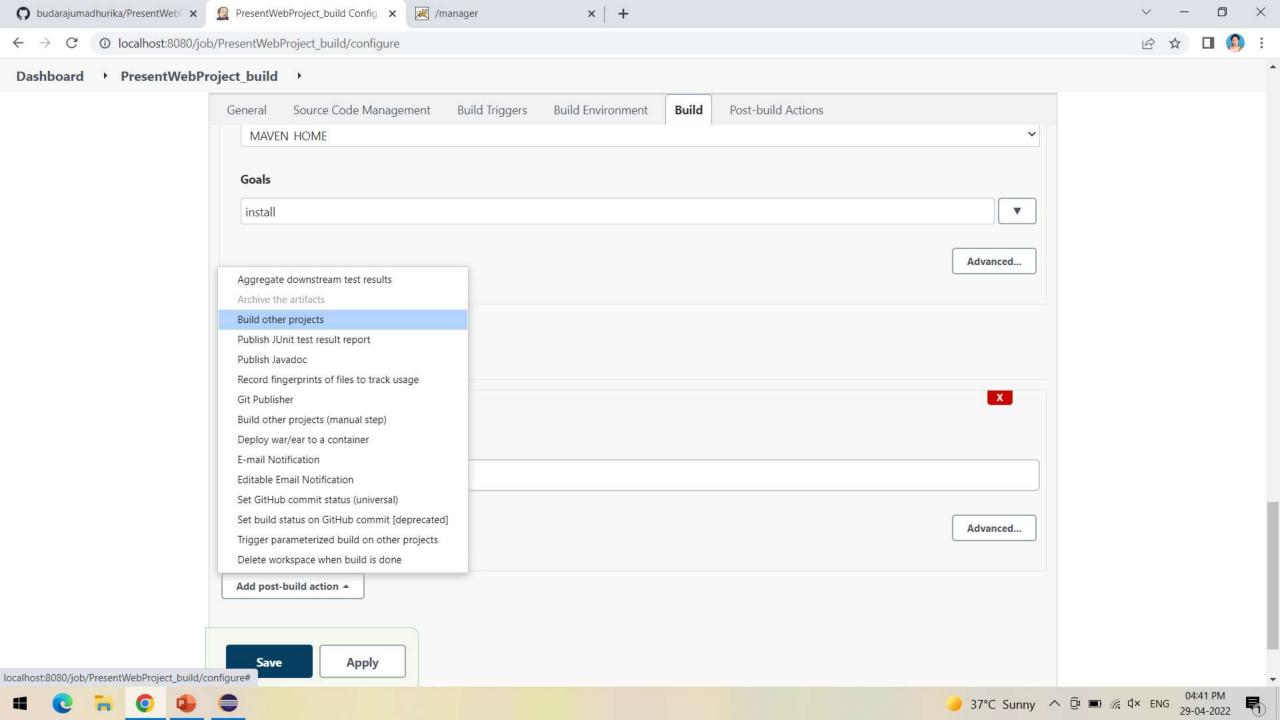
Activate Windows
Go to Settings to activate Windows.

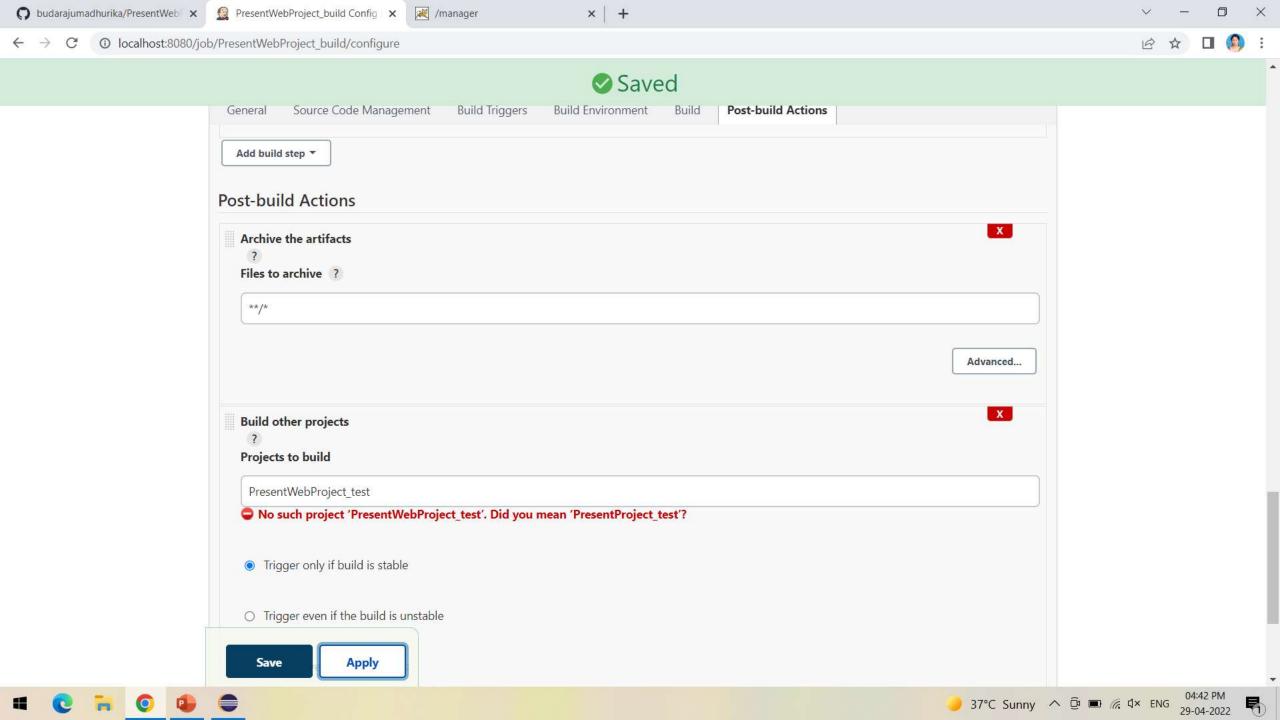


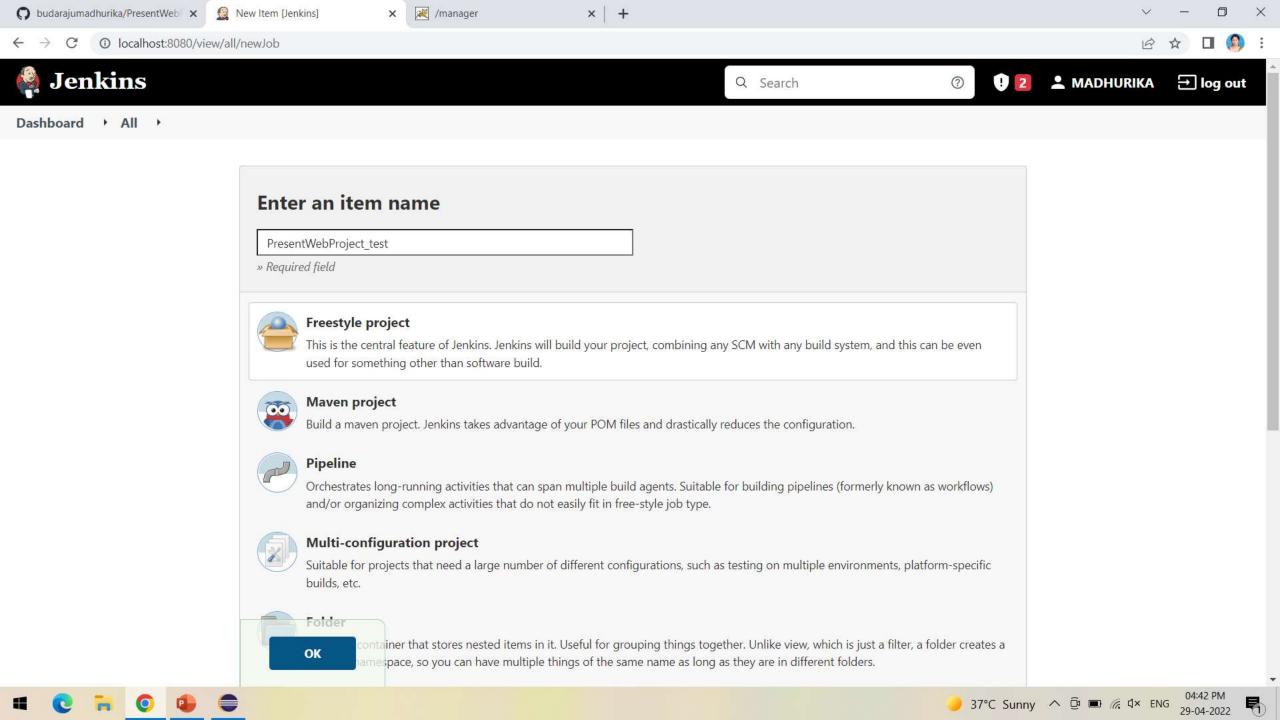


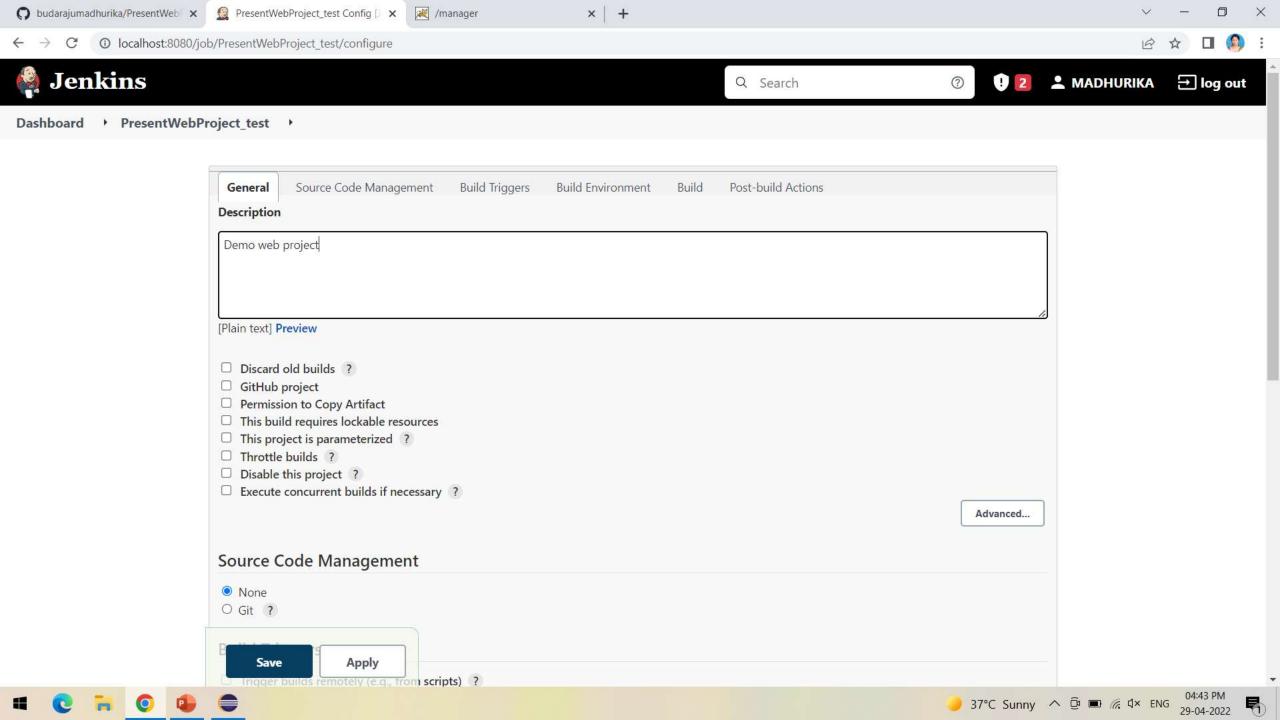


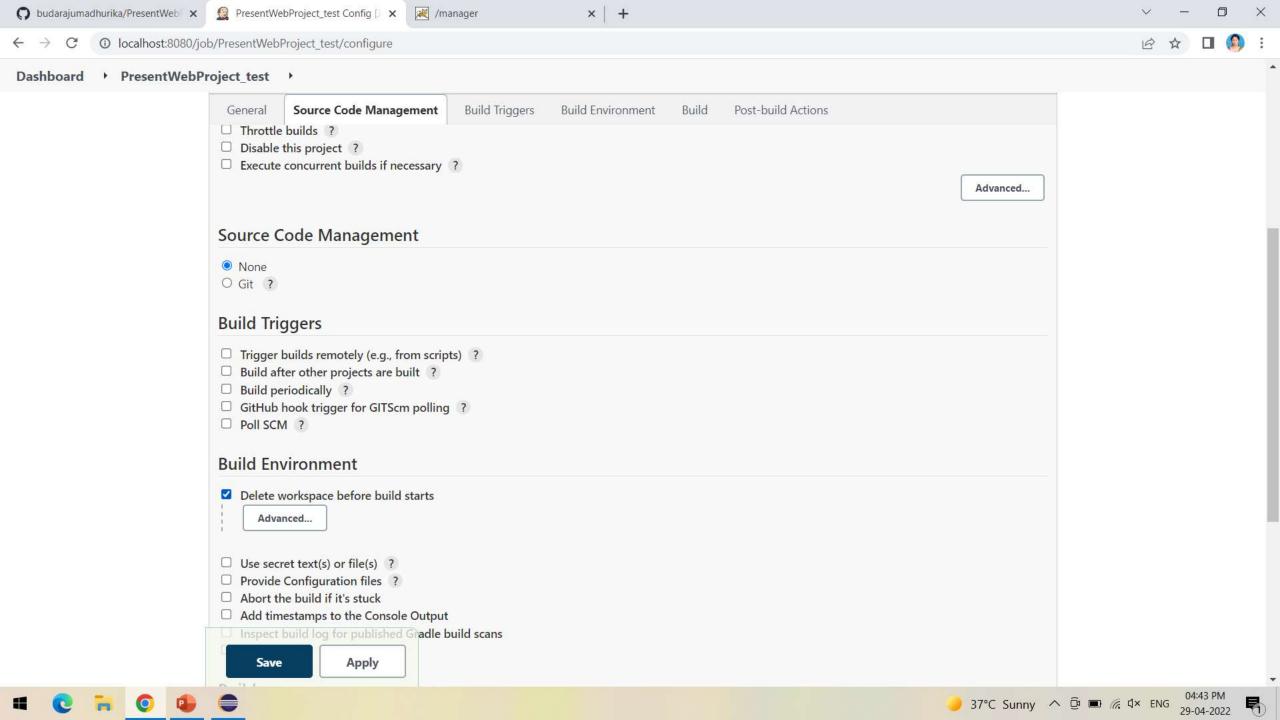


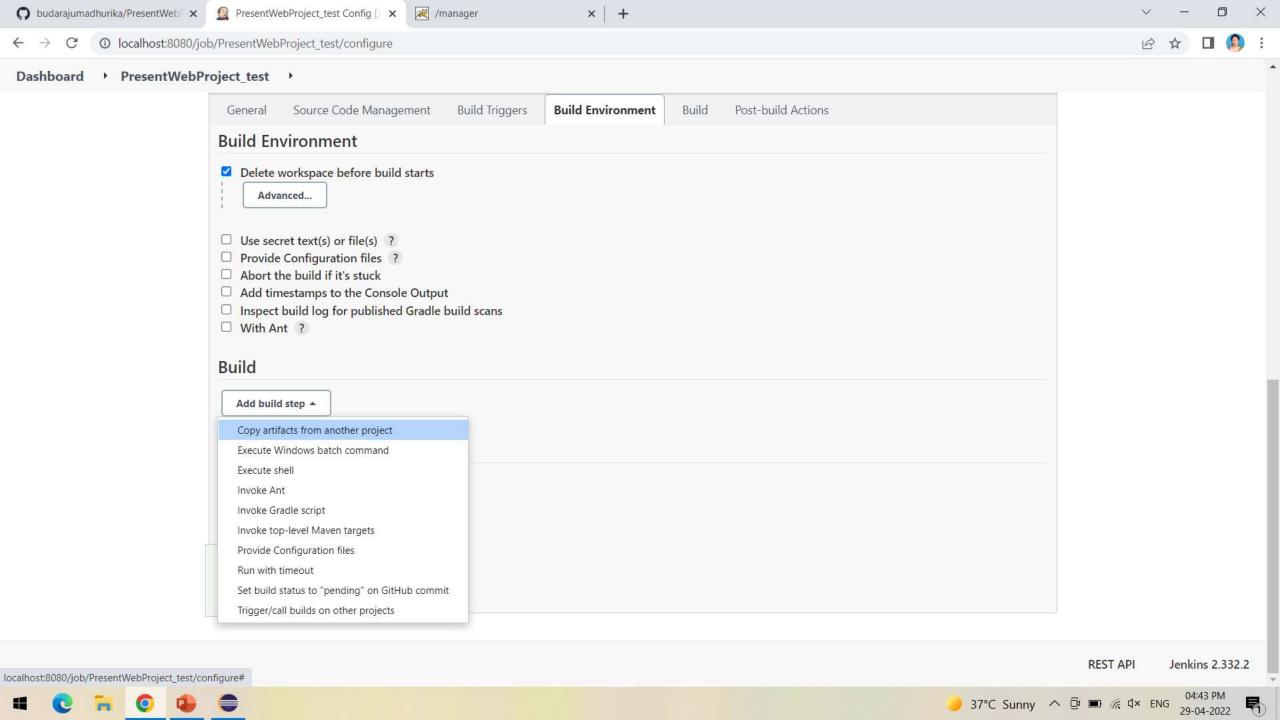


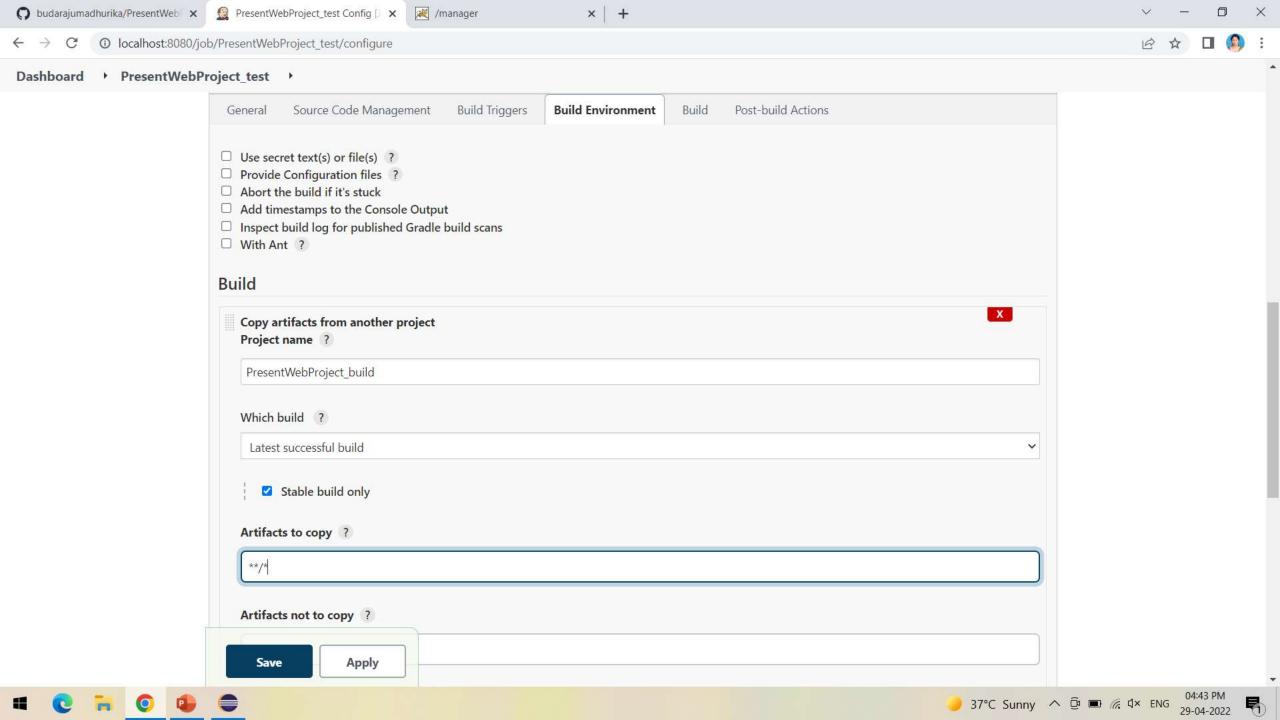


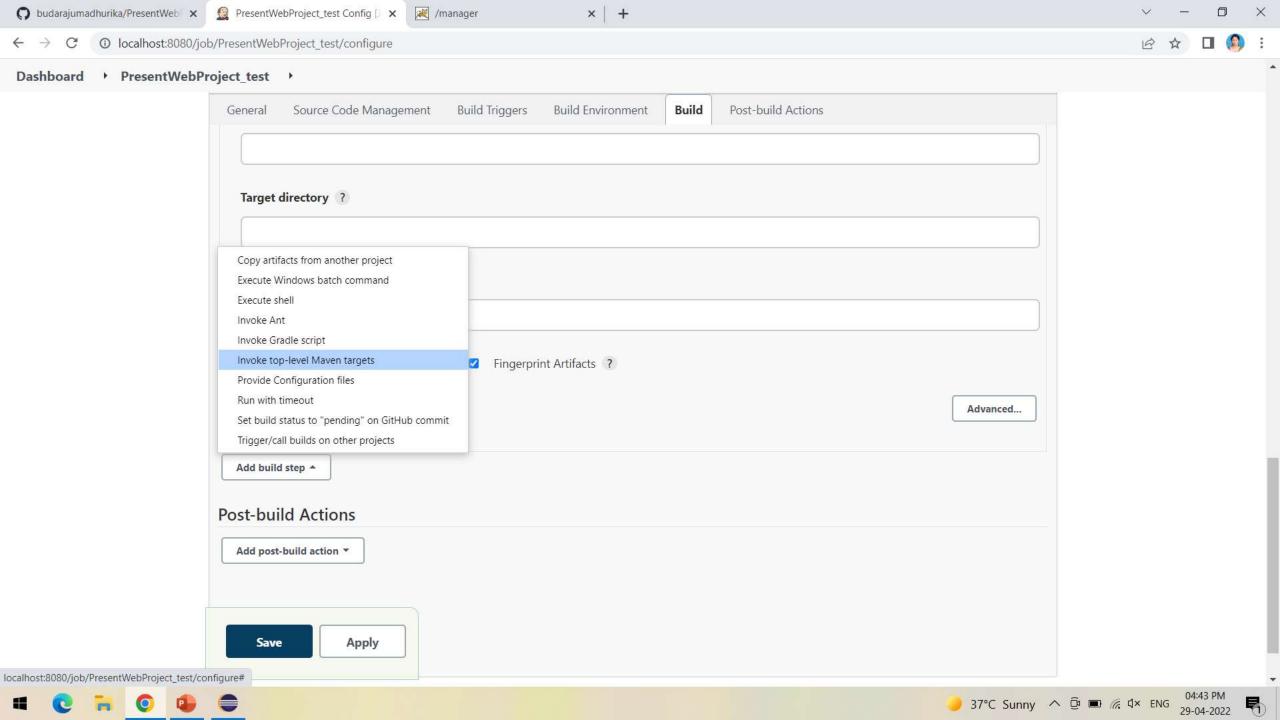


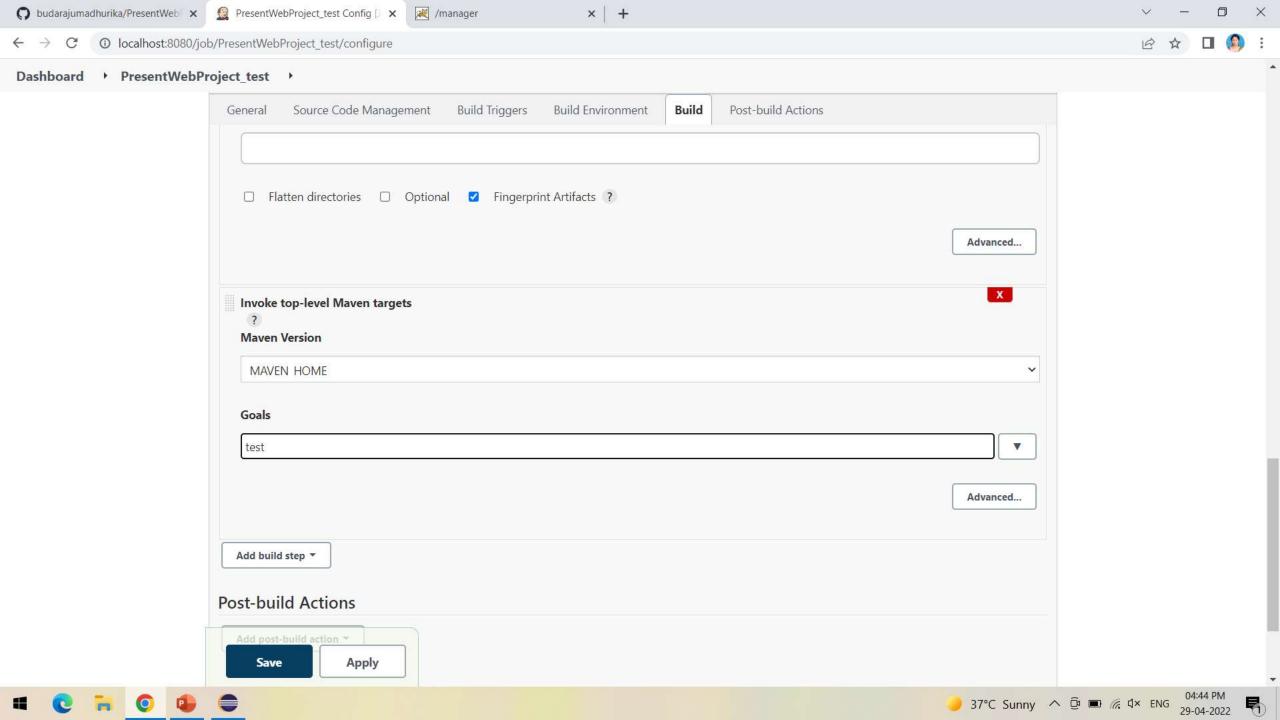


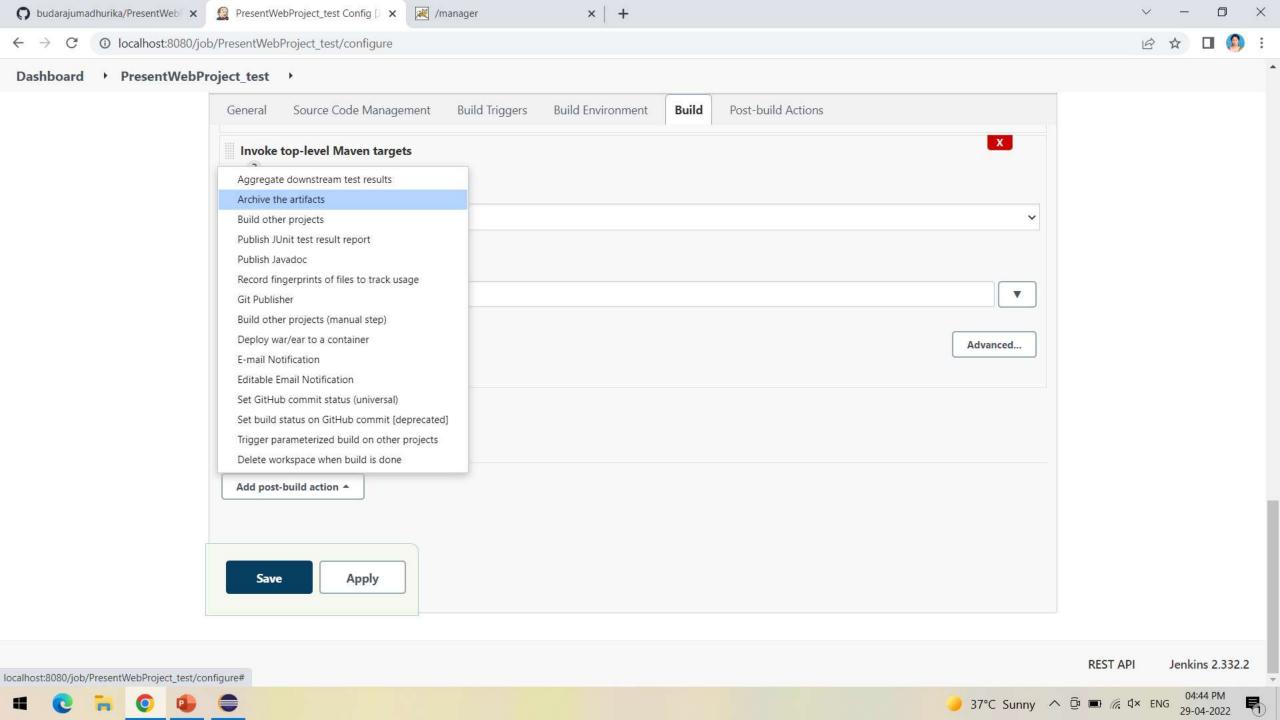


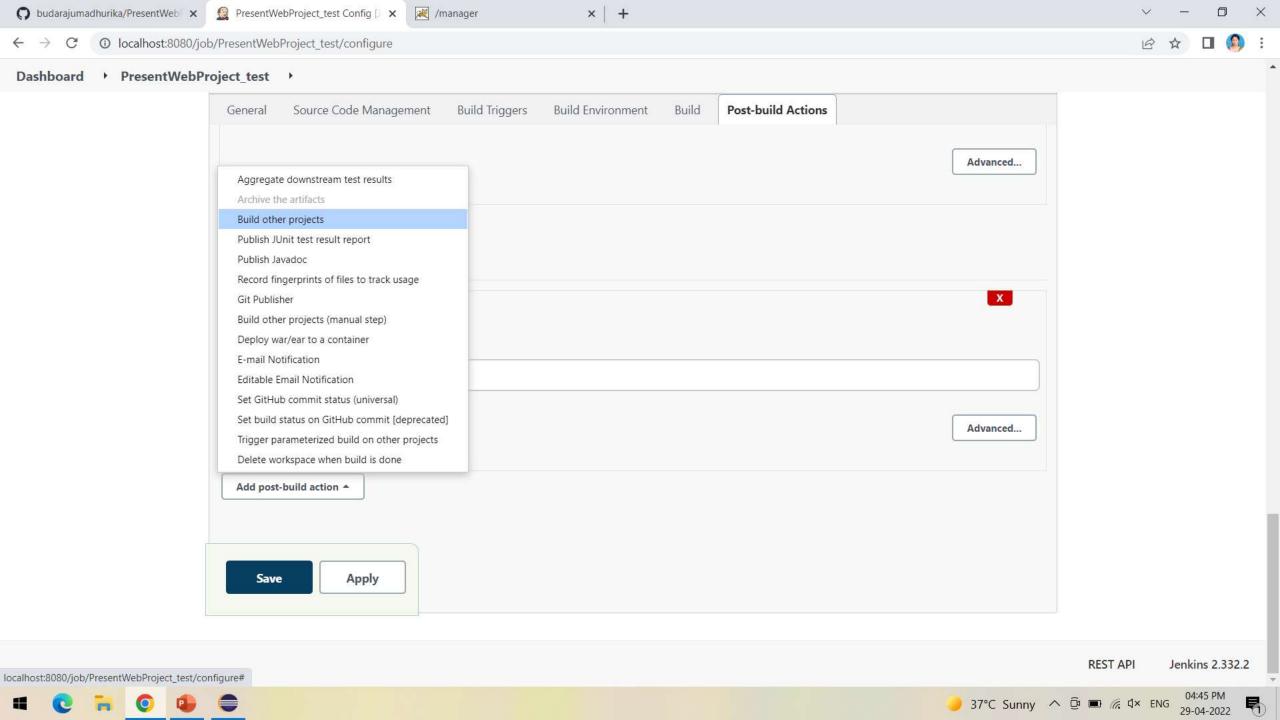


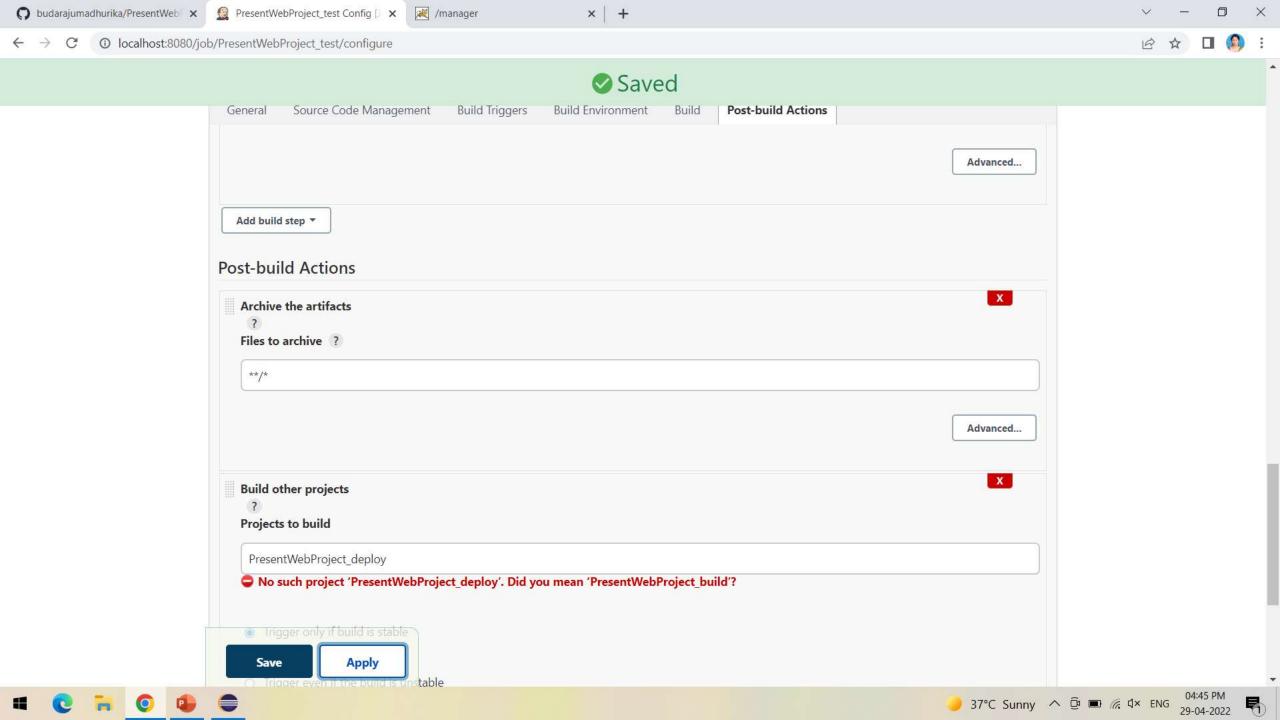


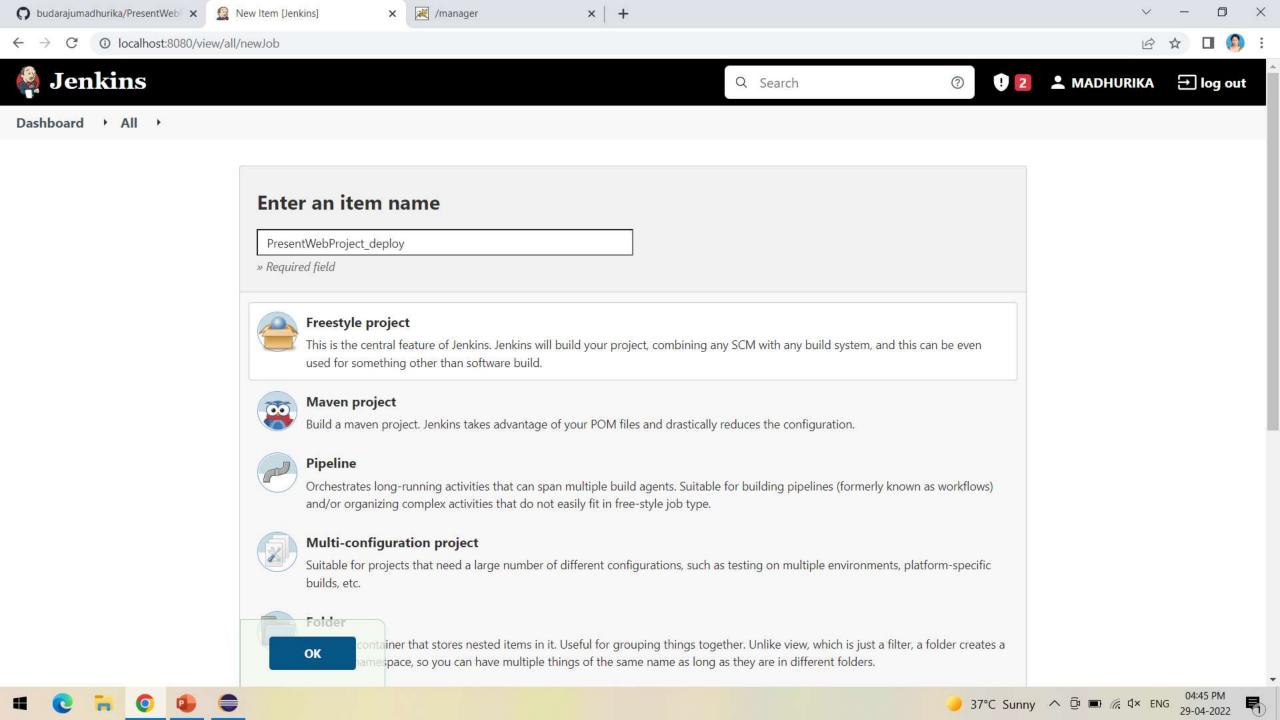


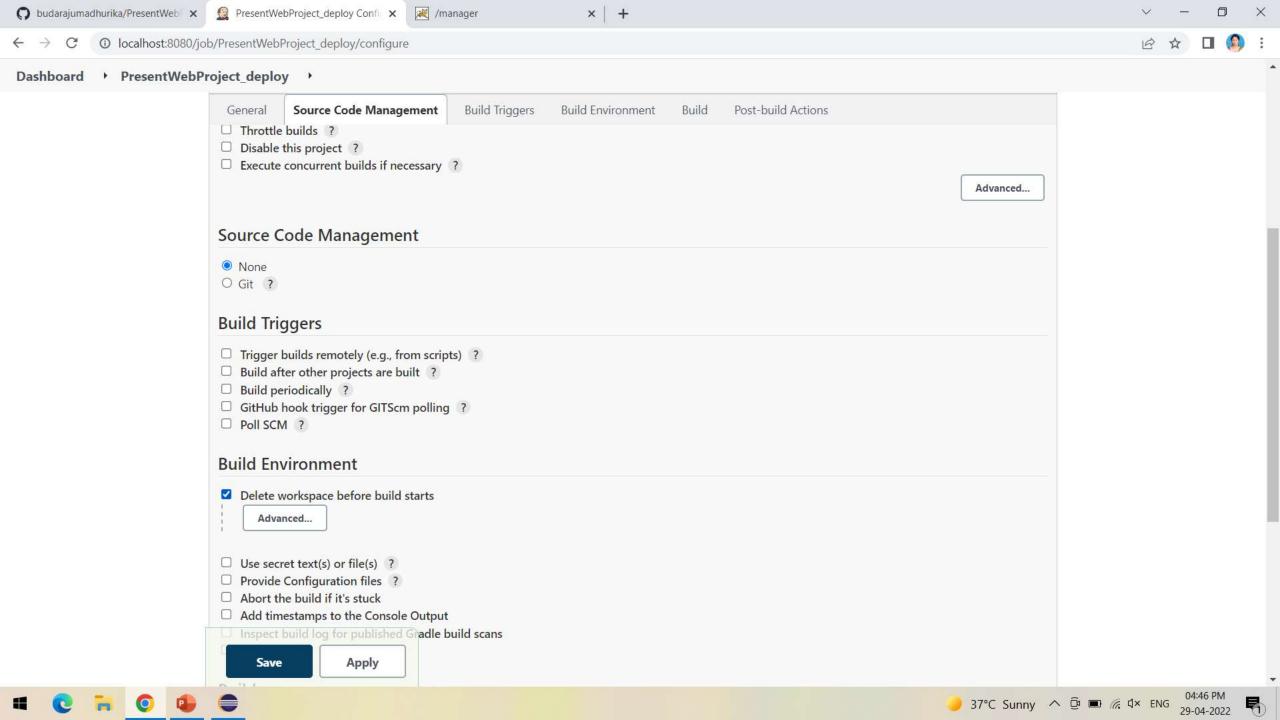


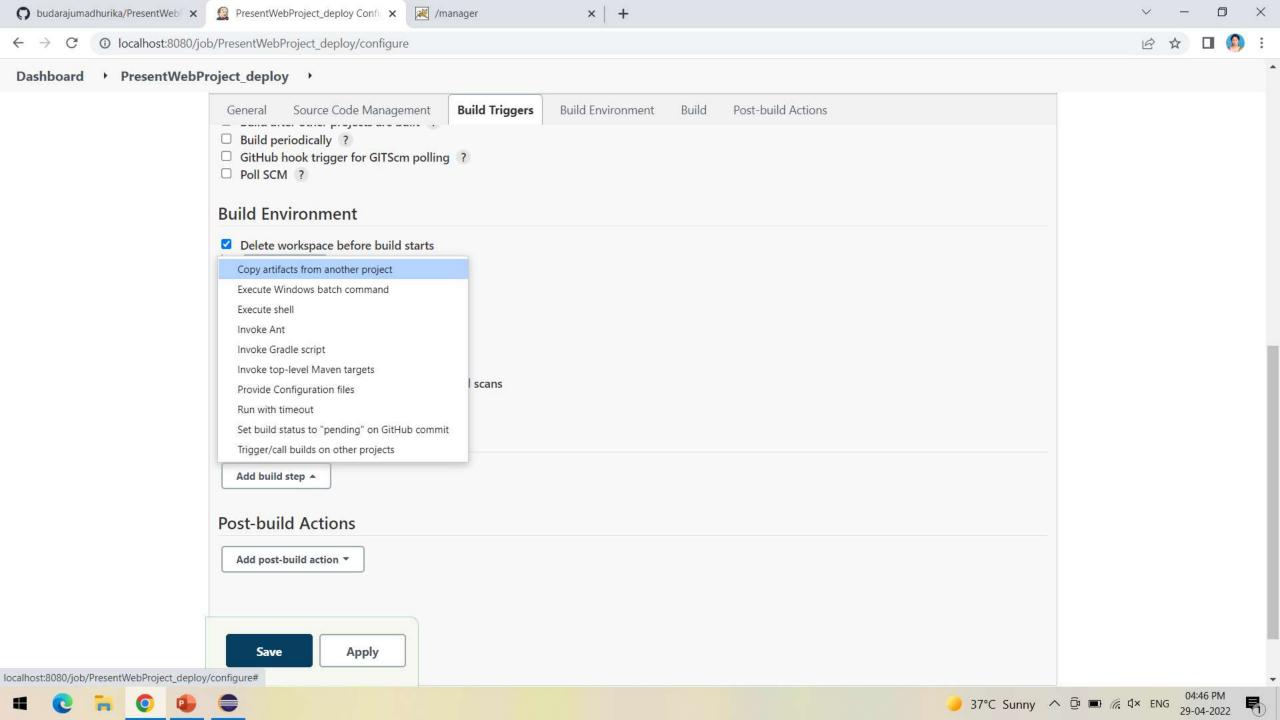


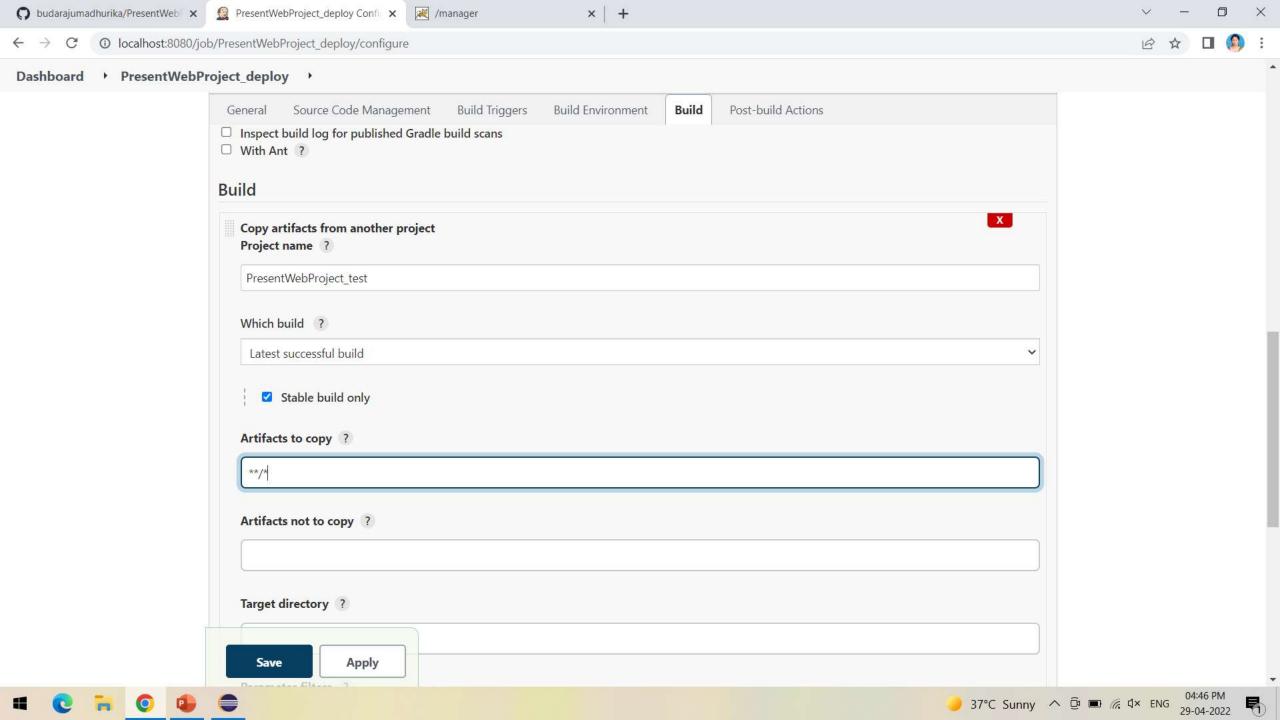


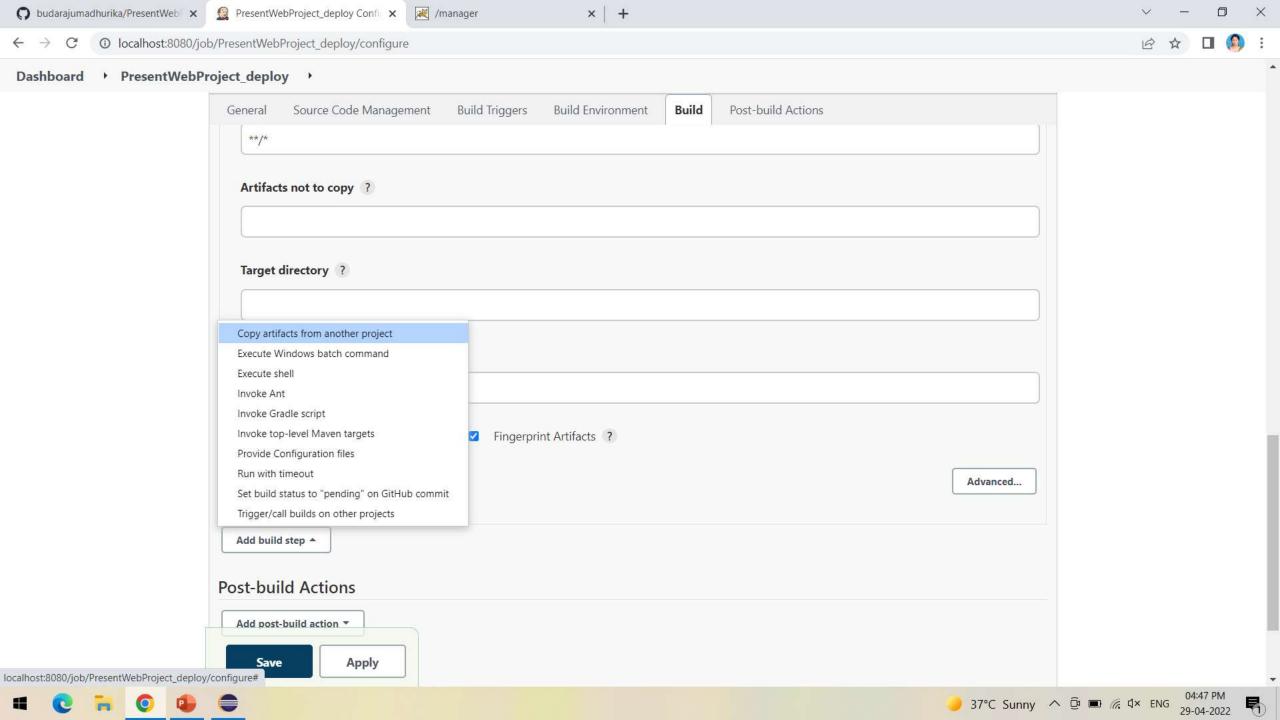


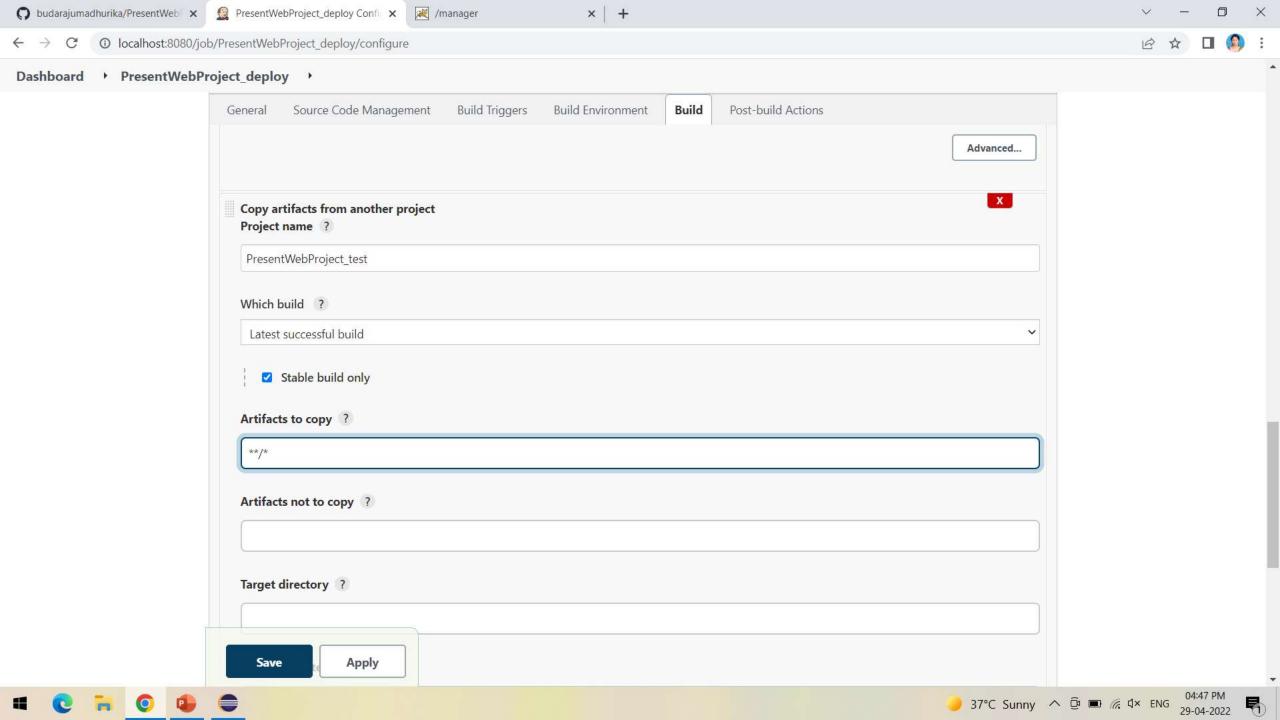


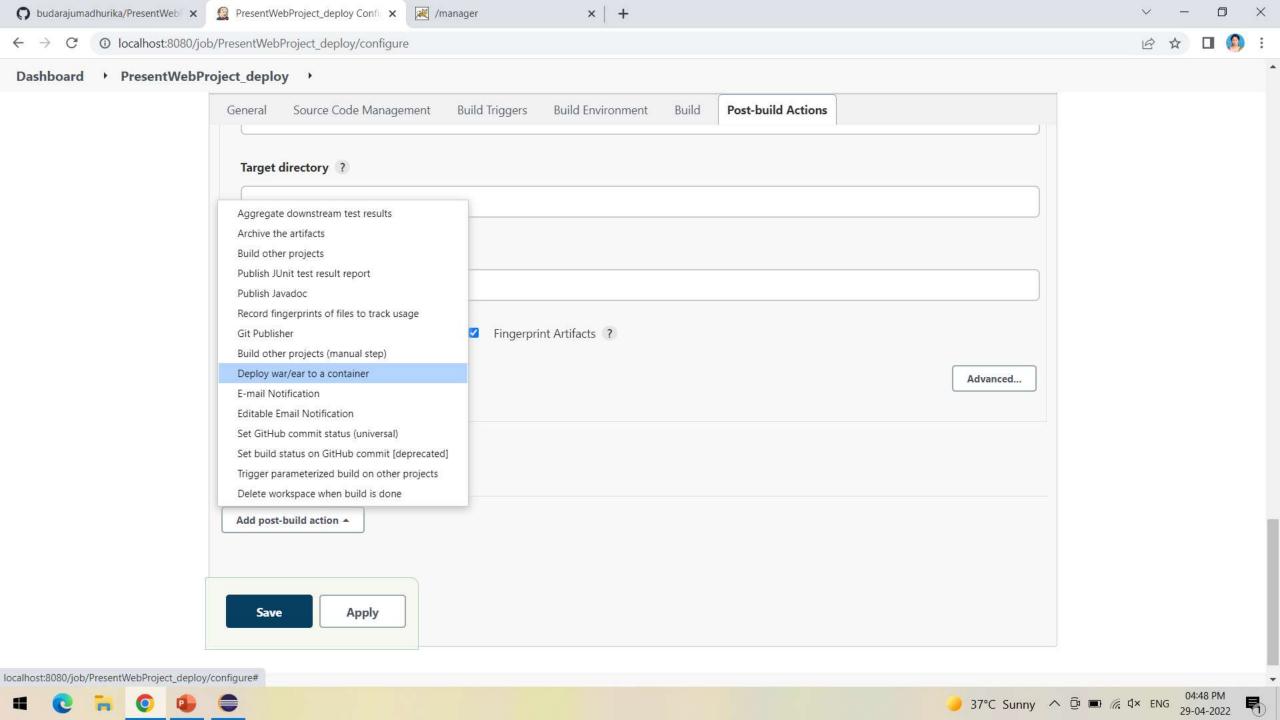


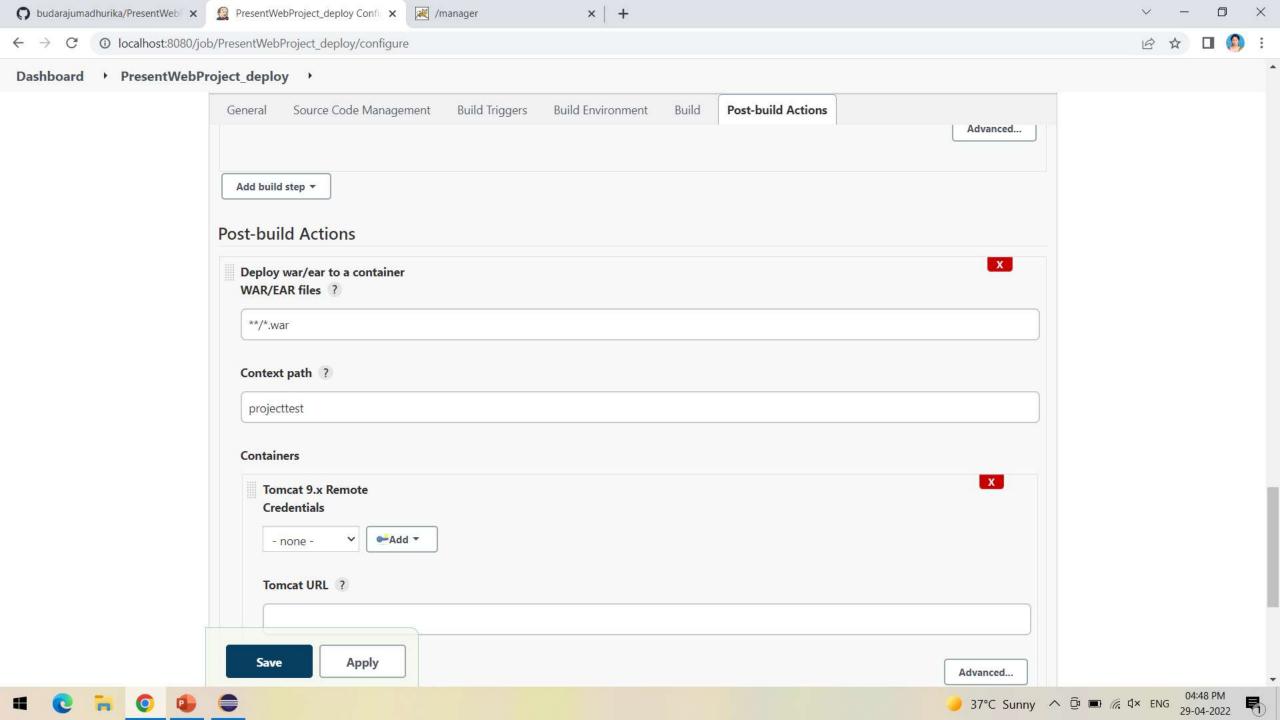


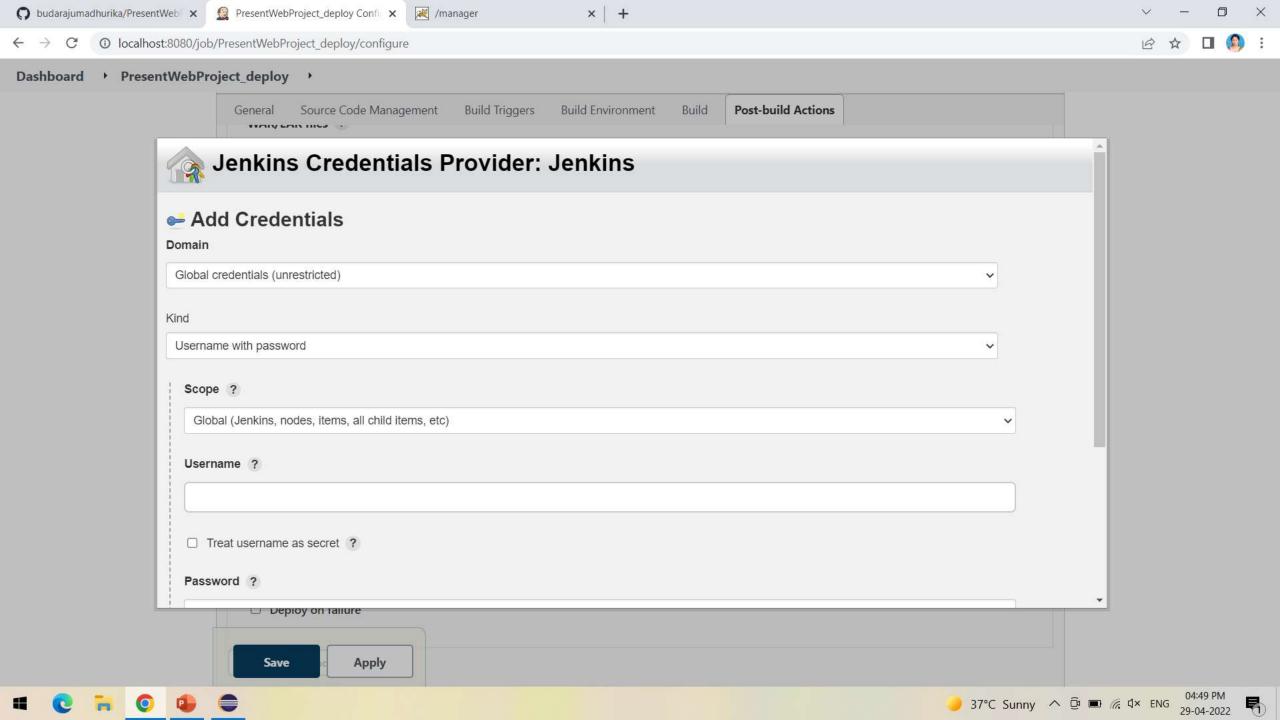


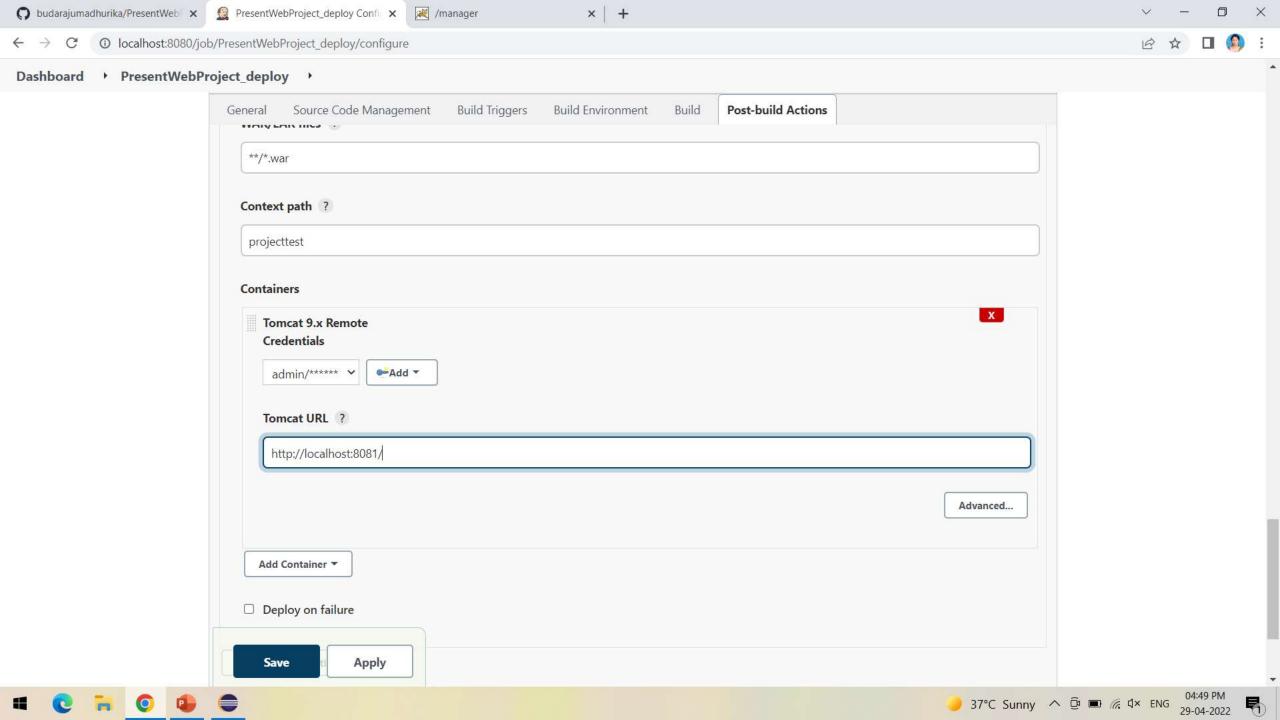


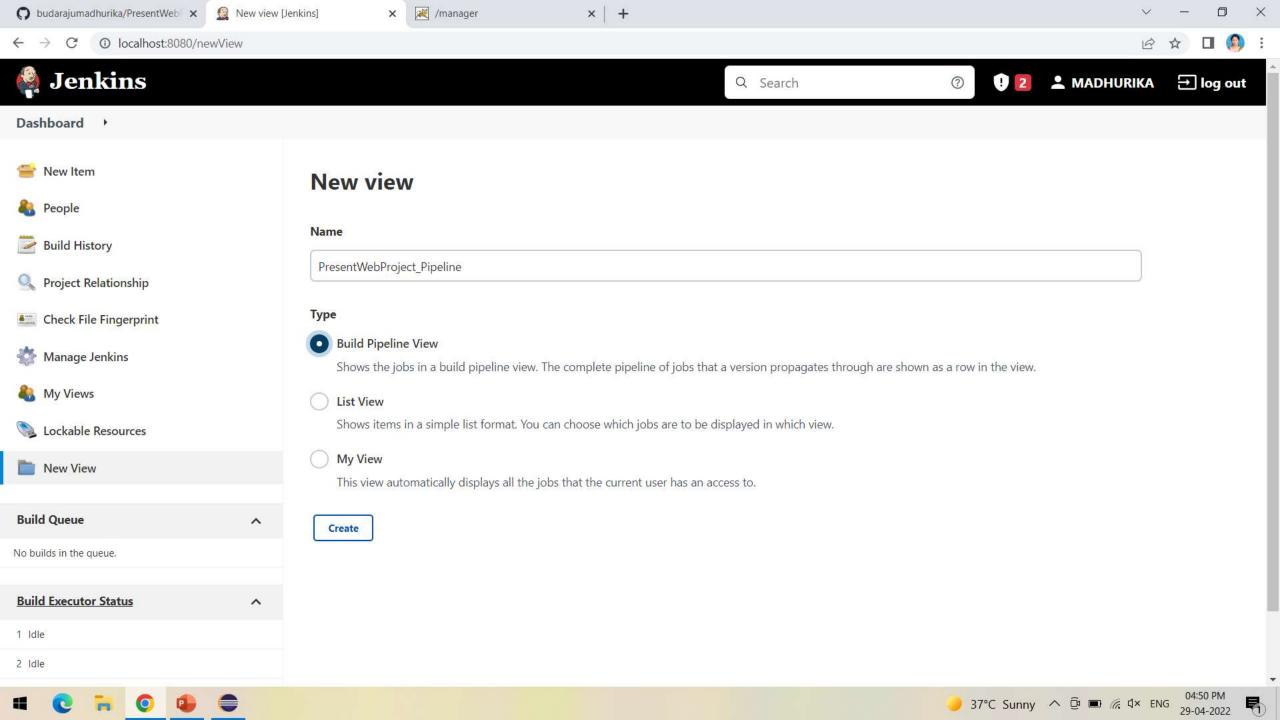


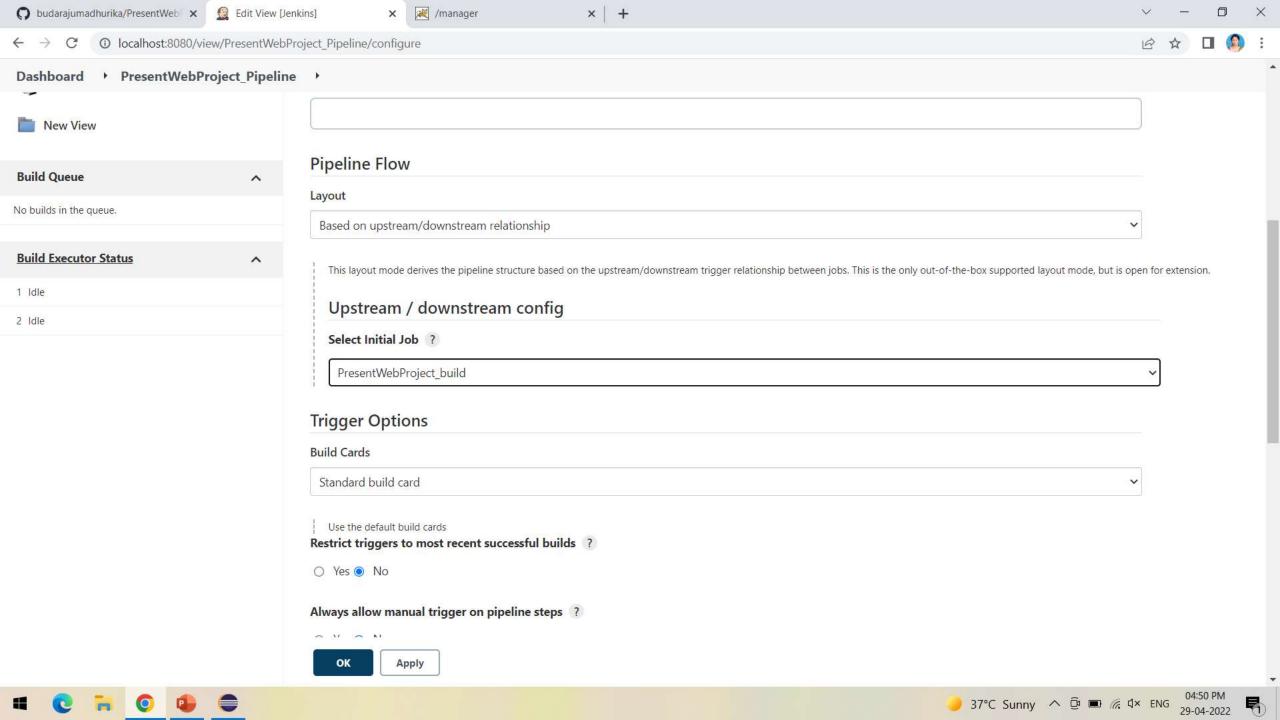














× | +

Build Pipeline



This view has no jobs associated with it. You can either add some existing jobs to this view or create a new job in this view.

Dudarajumadhurika/PresentWeb X PresentWebProject_Pipeline [Jen X / /manager

REST API

Jenkins 2.332.2







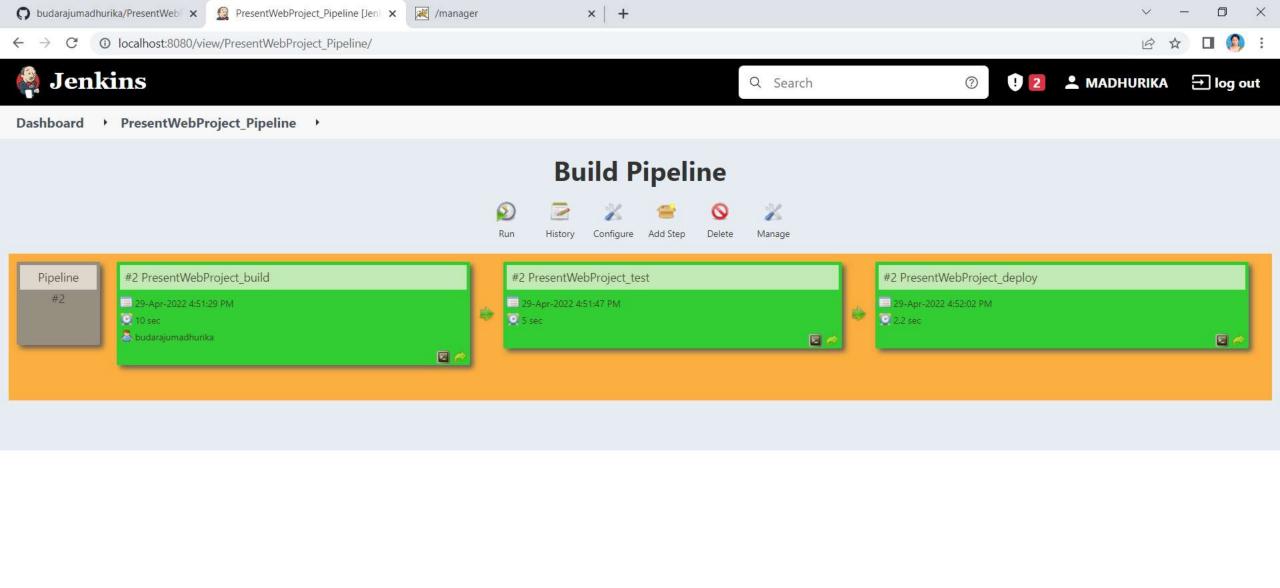












REST API

Jenkins 2.332.2























♠ budarajumadhurika/PresentWeb x
♠ PresentWebProject_Pipeline [Jen] x
♠ localhost:8081/projecttest/ ← → C ① localhost:8081/projecttest/

Hello World!

















