

CONTINUOUS INTEGRATION AND CONTINUOUS DEPLOYMENT LAB

**Lab File (2023-2024)**

**for**

**5th Semester**

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Experiment 2

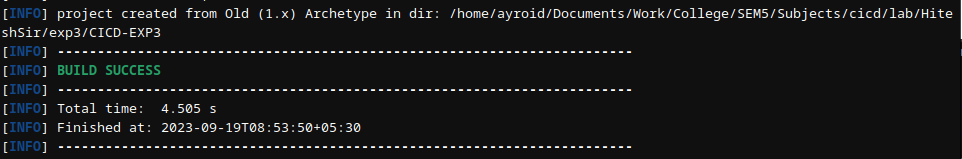
**Creating a Jenkins Pipeline with a Jenkinsfile**

# Aim

Create a Jenkins pipeline using a Jenkinsfile that builds a simple project, runs tests, and deploys the project to a designated environment

# Steps

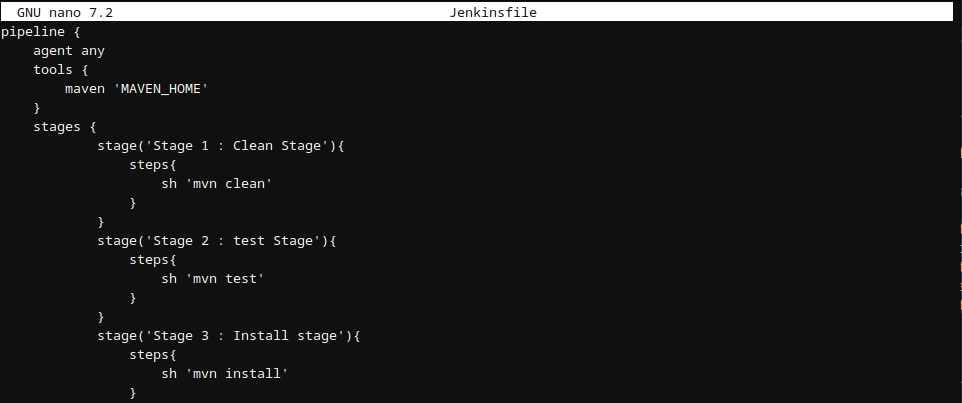
1. Create a maven project
   1. Create the project



* 1. Create a package DevOps inside src/main/java/ and add App.java file



1. Create a Jenkinsfile and write the steps to be executed in it

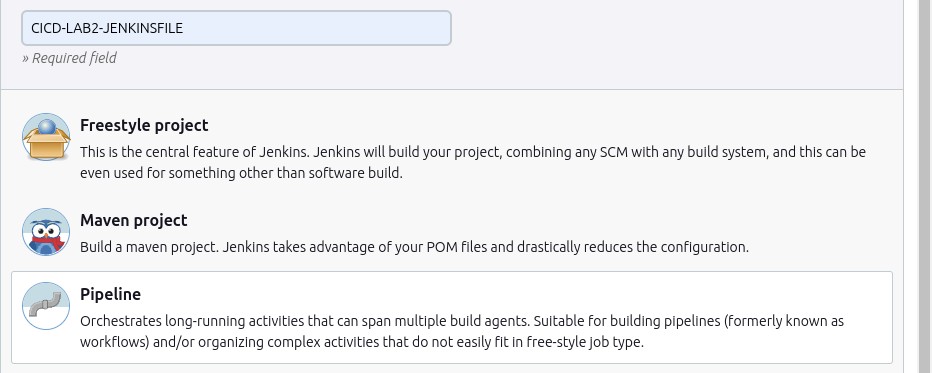




1. Create a GitHub Repository



1. Create a Jenkins Pipeline
   1. Create a pipeline



* 1. Add the project url



* 1. Configure the build trigger to poll scm and set it to perform build every minute



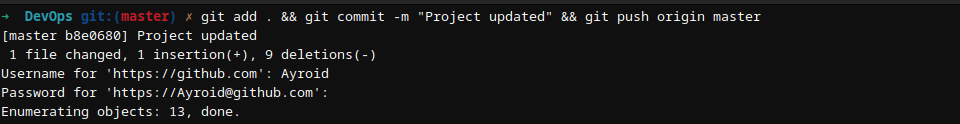
* 1. Specify the path to Jenkinsfile in the project





* 1. Save the pipeline

1. Commit and push the changes of the project on GitHub



1. An automatic build is triggered

