LAB 2

01) What is Jenkins pipeline?

Jenkins Pipeline is a suite of plugins which supports implementing and integrating *continuous delivery pipelines* into Jenkins.

A *continuous delivery pipeline* is an automated expression of your process for getting software from version control right through to your users and customers.

02) What scripting language is Jenkins pipeline syntax based on?

Groovy

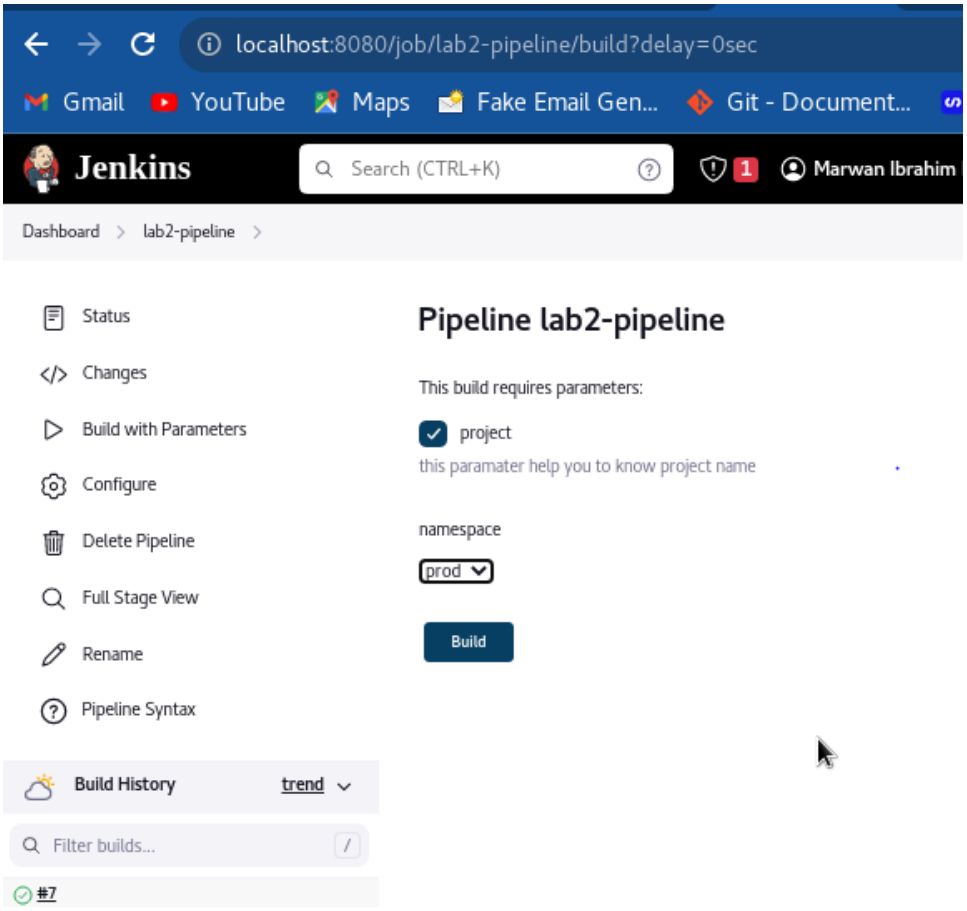
03) What are the ways you can write pipeline in Jenkins?

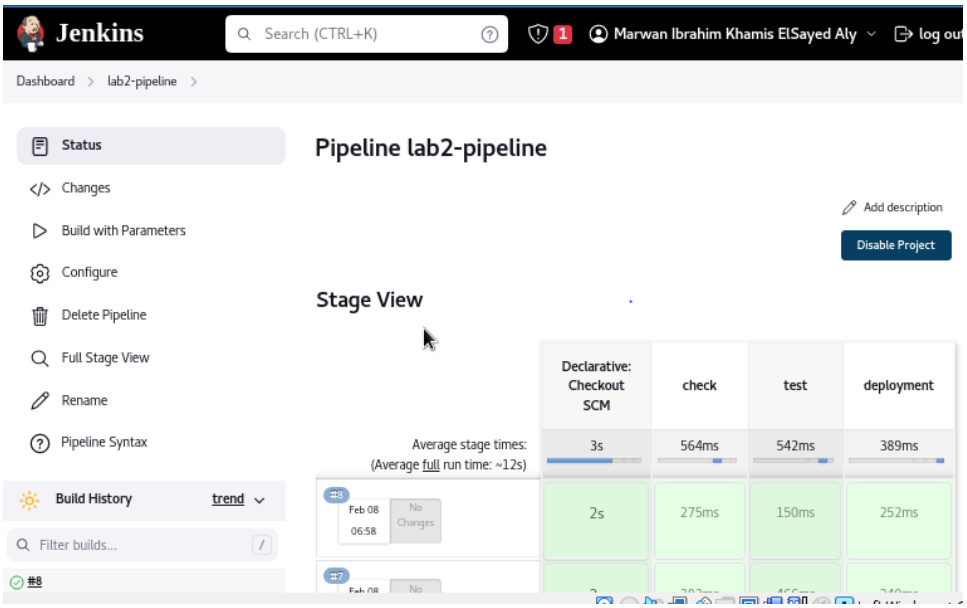
A `Jenkinsfile` can be written using two types of syntax - Declarative and Scripted.

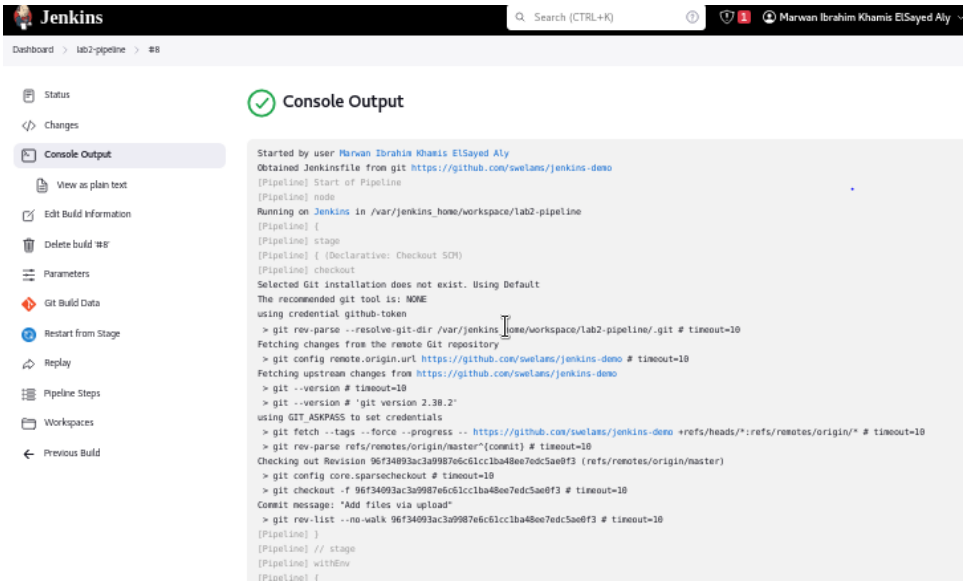
Declarative and Scripted Pipelines are constructed fundamentally differently. Declarative Pipeline is a more recent feature of Jenkins Pipeline which:

- provides richer syntactical features over Scripted Pipeline syntax, and
- is designed to make writing and reading Pipeline code easier.

04) Create Jenkins pipeline for your repo and use script file (jenkinsfile) to write pipeline syntax?







Dashboard > lab2-pipeline > #8
Commit message: "Add files via upload"
> git rev-list --no-walk 96f34093ac3a9987e6c61cc1ba48ee7edc5ae0f3 # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (check)
[Pipeline] echo
checking your code
[Pipeline] echo
prod
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (test)
[Pipeline] echo
testing your app
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (deployment)
[Pipeline] echo
your code is deployed right now
[Pipeline] echo
this build number 8
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

05) Create another multibranch pipeline and filter branches to contain only (master, dev, test)?