what are different method to trigger pipeline in jenkins ?
- *Trigger builds remotely.*
- *Build after other projects are built.*
- *Build periodically.*
- *GitHub hook trigger for GITScm polling.*
- *Poll SCM*

what is the benefit of using master-slave architecture rather than building on master only?

Using a master-slave architecture in Jenkins allows you to distribute the workload of building and testing to multiple machines, or "slaves". This reduces the time it takes to complete a task, as multiple machines can work on the same task simultaneously. Additionally, it makes the system more fault-tolerant, as if one machine fails, the remaining machines can still continue working on the task. Finally, the master-slave architecture allows for scalability, as more machines can be added to the system if additional capacity is needed.
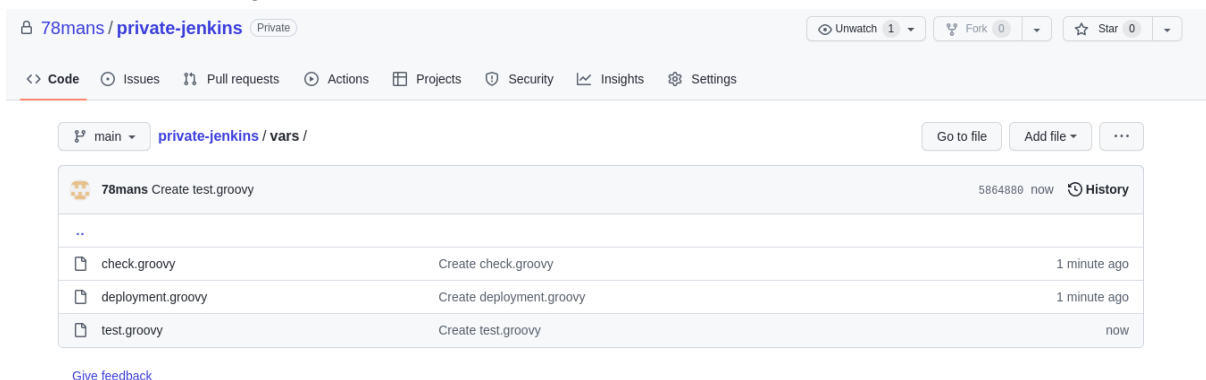
what is different between authorization and authentication ?

Authentication *is the process of verifying a user's identity.*
authorization *grants access to a user based on their identity.*

what is the benefit of making organization job in jenkins?

Organization Folders enable Jenkins to monitor an entire GitHub Organization, Bitbucket Team/Project, GitLab.

5) make jenkins-shared-library and make your jenkinsfile which you used in lab2 to point to this library

Library
Name ?

var

Default version ?

master

Currently maps to revision: a373d2b04167a9638cd8d86dd954ed710a723908

☐ Load implicitly ?
☑ Allow default version to be overridden ?
☑ Include @Library changes in job recent changes ?
☐ Cache fetched versions on controller for quick retrieval ?

Definition

Pipeline script from SCM ⌄

SCM ?

Git ⌄ ?

Repositories ?

Repository URL ? ✕

https://github.com/78mans/private-jenkins.git

Credentials ?

78mans/****** ⌄

+ Add