

What are the different methods to trigger pipeline in Jenkins?

- Trigger builds remotely
- Build after other projects are built
- Build periodically
- GitHub hook trigger
- Poll SCM

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

- 1- Produce backups
- 2- Distribute nodes across slave nodes and help to scale up and down easily

What is different between authorization and authentication?

Authentication verifies the identity of a user or service, and authorization determines their access rights

What is the benefit of making organization job in Jenkins?

enable Jenkins to monitor an entire GitHub Organization

Make Jenkins-shared-library and make your Jenkins file which you used in lab2 to point to this library

Global Pipeline Libraries

Sharable libraries available to any Pipeline jobs running on this system. These libraries will be trusted, i

Library

Name ?

shared_lib

Default version ?

Pipeline

Definition

Pipeline script

Script ?

```
1 @Library('shared_lib')_
2 stage('Demo') {
3     echo 'Hello world'
4     hello 'Ahmed'
5 }
```

```
Checking out Revision c417b1c7dc7fbbc321dd486
> git config core.sparsecheckout # timeout=30s
> git checkout -f c417b1c7dc7fbbc321dd48c696
Commit message: "Delete sss"
> git rev-list --no-walk c417b1c7dc7fbbc321dd48c696
[Pipeline] Start of Pipeline
[Pipeline] stage
[Pipeline] { (Demo)
[Pipeline] echo
Hello world
[Pipeline] echo
Hello, Ahmed.
[Pipeline] }
[Pipeline] // stage
[Pipeline] End of Pipeline
Finished: SUCCESS
```