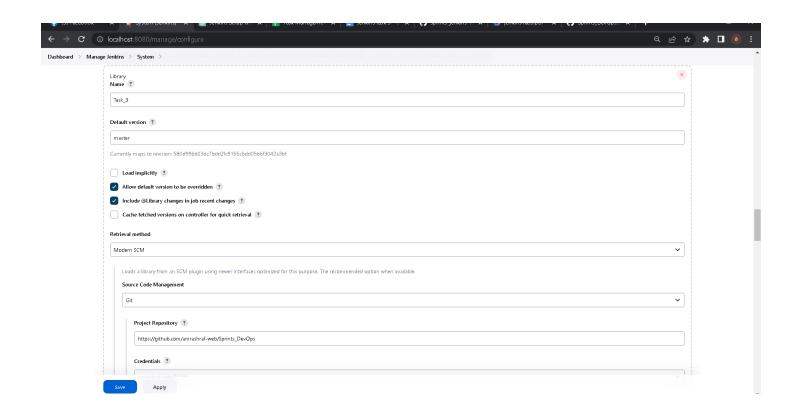
Jenkins Task 3

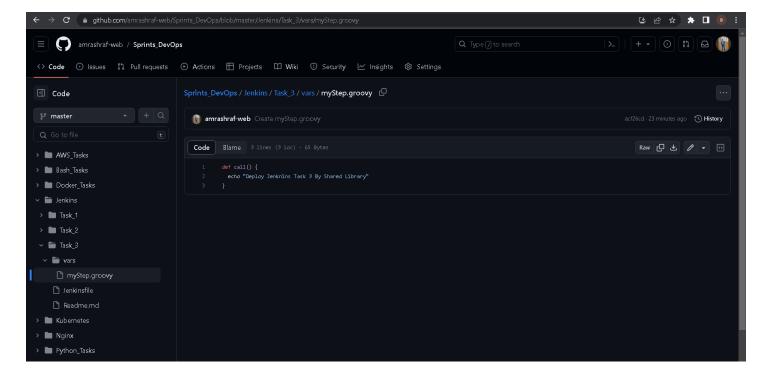
- 1 What is the benefit of using master-slave architecture rather than building on master only?
- 2 What is different between authorization and authentication?
- 3 Make jenkins-shared-library and make your jenkinsfile which you used in lab2 to point to this library
- 4 Try to make new slave as container or ec2 server and configure master to use it

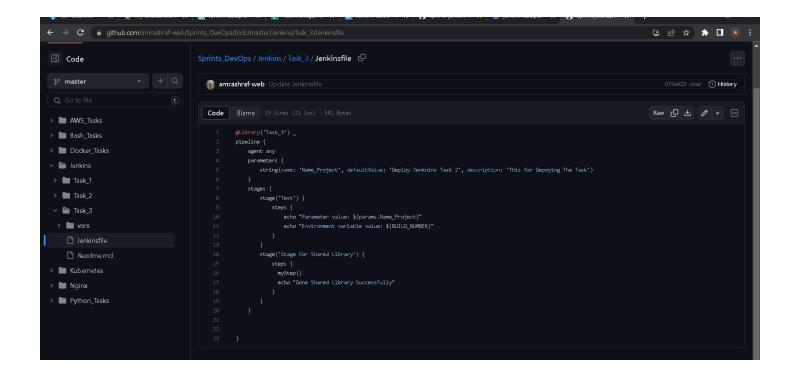
The Solution

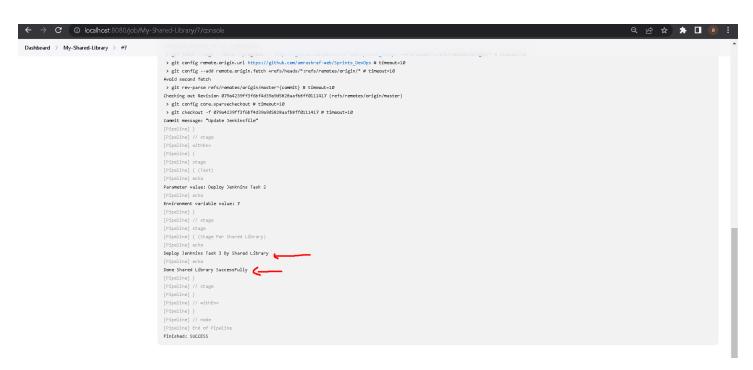
- 1 What is the benefit of using master-slave architecture rather than building on master only?
 - A Scalability: By having multiple slave nodes, you can distribute the workload across them, allowing for horizontal scaling. This enables handling a larger number of concurrent tasks or users.
 - B Improved performance: With a distributed architecture, the workload can be divided among multiple slaves, reducing the processing time for individual tasks.
 - C Fault tolerance: If one slave node fails, the master can route the tasks to other available slaves, ensuring that the system continues to function without interruptions.
 - D Resource utilization: Master-slave architecture enables efficient utilization of resources. The master node can focus on coordinating and managing the system, while the slave nodes handle the execution of tasks.
- 2 What is different between authorization and authentication?
 - A Authentication: Authentication is the process of verifying the identity of a user or system. It ensures that the entity requesting access is who it claims to be. Authentication commonly involves providing credentials, such as a username and password, to verify identity.
 - B Authorization: Authorization is the process of granting or denying access rights and permissions to authenticated users. Once a user's identity is authenticated, authorization determines what actions or resources that user is allowed to access. It involves defining and enforcing access control rules based on roles, permissions, or policies.
 - C Authentication verifies the identity, while authorization determines what the authenticated entity is allowed to do or access

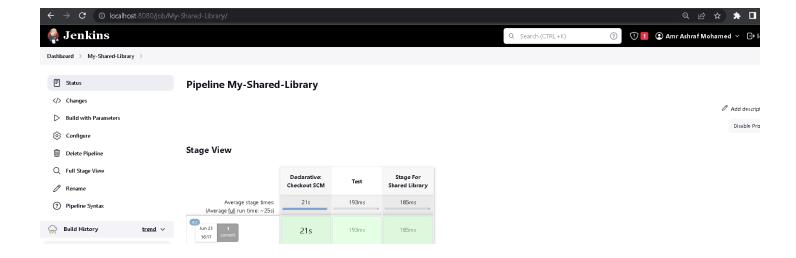
3 - Make jenkins-shared-library and make your jenkinsfile which you used in lab2 to point to this library











4 - Try to make new slave as container or ec2 server and configure master to use it

