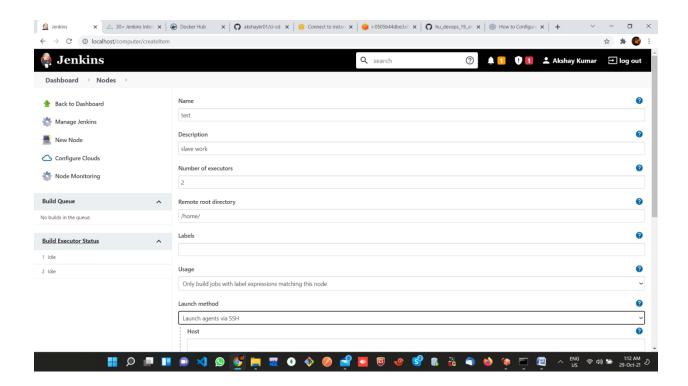
1. Create a master / slave configuration.

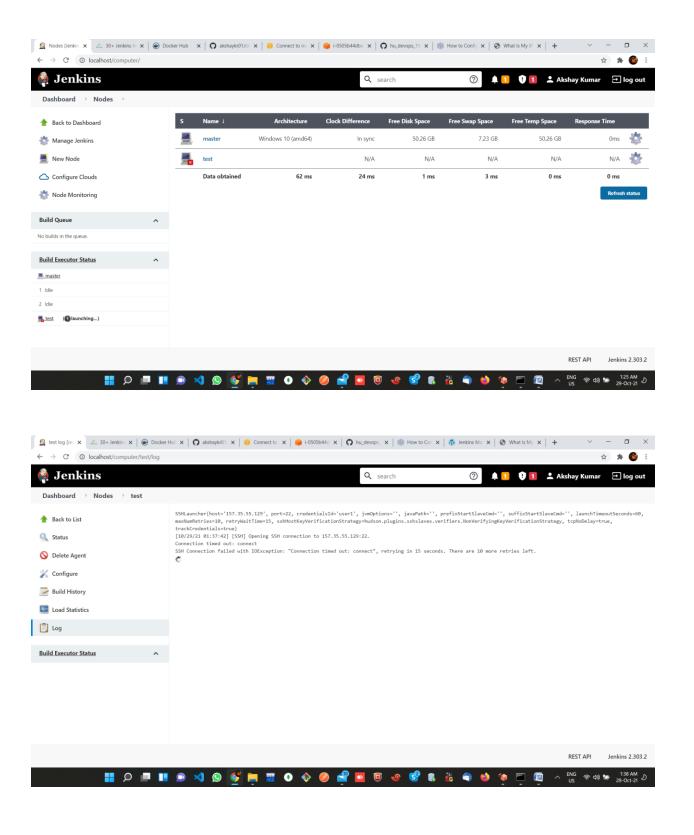
Install docker on the workspace.

Install Jenkins on the workspace

Answer: Create a simple pipeline that executes on the slave.

Following are the steps are done:





```
Pipeline for slave used as:
```

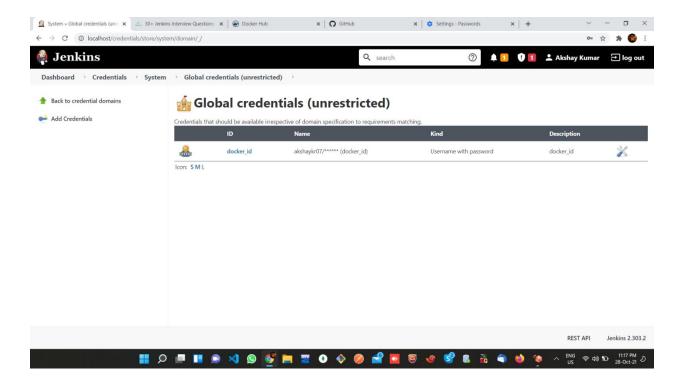
```
node('test'){
        stage('stage1') {
            sh "'echo stage1 steps"'
        }
        stage('stage2') {
            sh "'echo stage2 steps"'
        }
        stage('stage3') {
        sh "'echo stage3 steps"'
        }
}
```

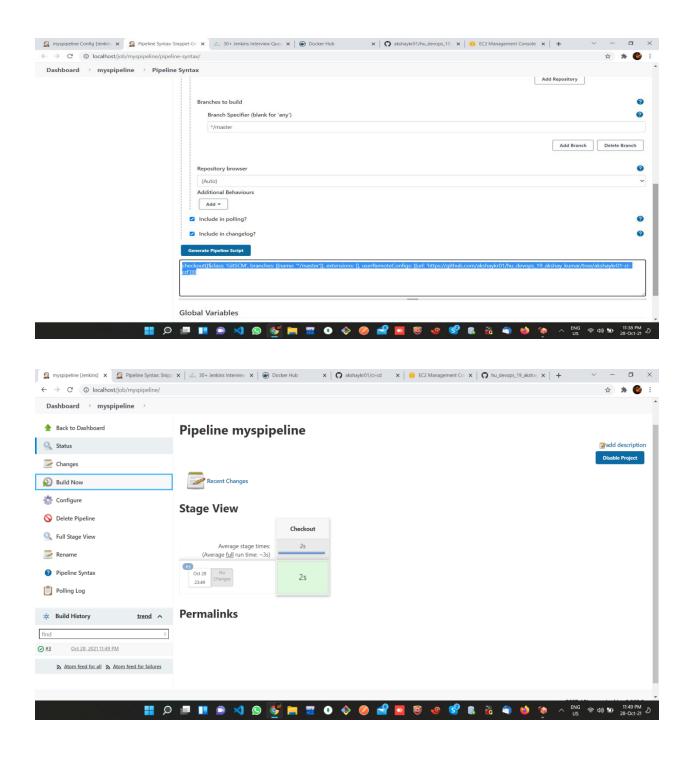
2. Create a declarative pipeline to build docker images and push to Dockerhub.

Answer:

Different stages are being done for this. Like creating stages as checkout, build, push.

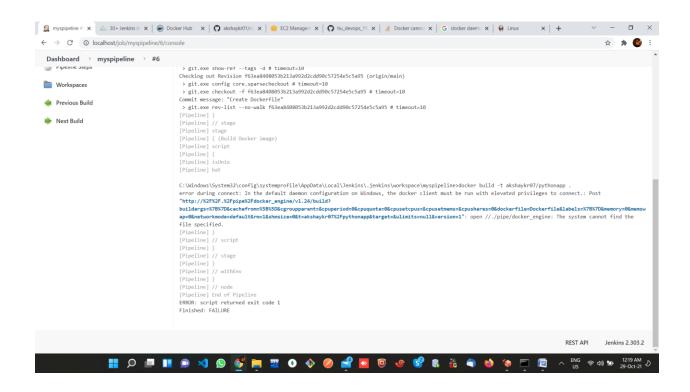
Showing the above using the screenshots:





Due to problem in Docker daemon it is not going currently but I have the complete pipeline file.

Showing the problem of docker-daemon in my system.



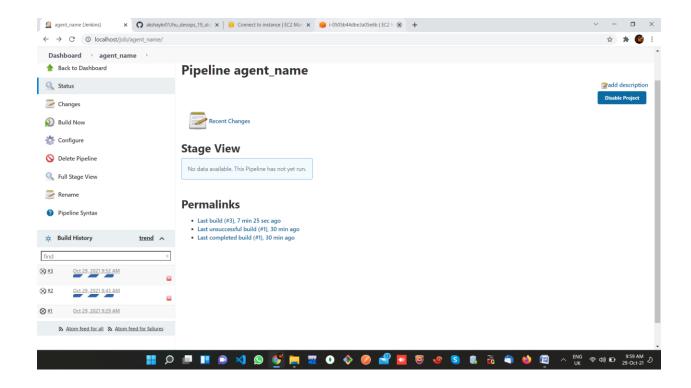
2. Use an agent name as a label in multi stage pipeline and echo your name in each stage.

Answer:

For this given agent name as 'akshay' in the declarative pipeline and there used stages ti echo my name.

Here is the pipeline:

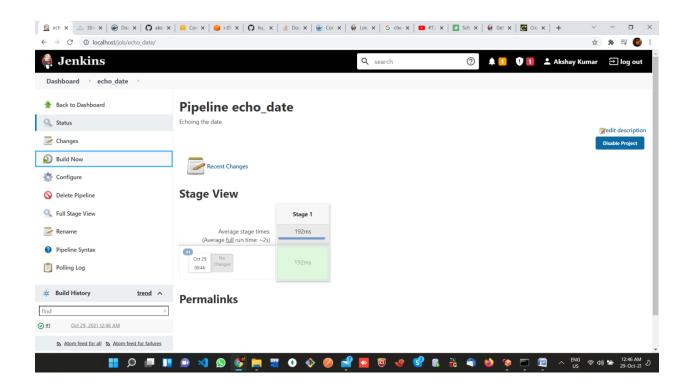
```
pipeline {
    agent { label 'test' }
    stages {
        stage('Dev') {
            steps {
                echo 'Hello World'
            }
        }
        stage('Prod') {
            steps {
                echo 'Hello World'
            }
        }
        }
}
```



4. Schedule jobs to execute for every 5 hr and echo date.

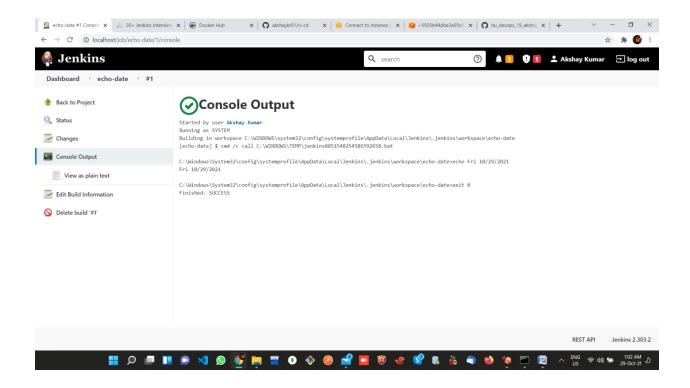
Answer:

Giving screenshot in support of this:



We can see that build is successful.

Now showing the console.



We can see the date in the console output.

Github link: https://github.com/akshaykr01/hu_devops_19_akshay_kumar/tree/akshaykr01-ci-cd