

## <u>Lab Experiment-6</u> <u>Create pipeline using Jenkins File</u>

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**COURSE** – B. Tech CSE- DevOps Batch 1

**SUBJECT** – Continuous Integration and Deployment

**SEMESTER** – 5<sup>th</sup> semester

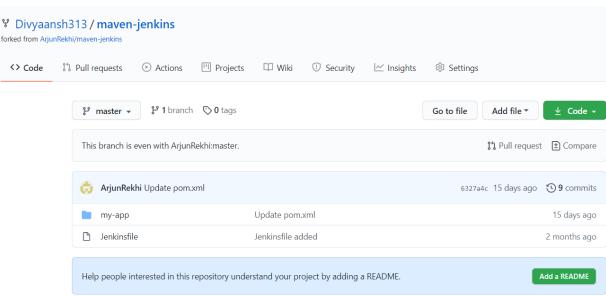
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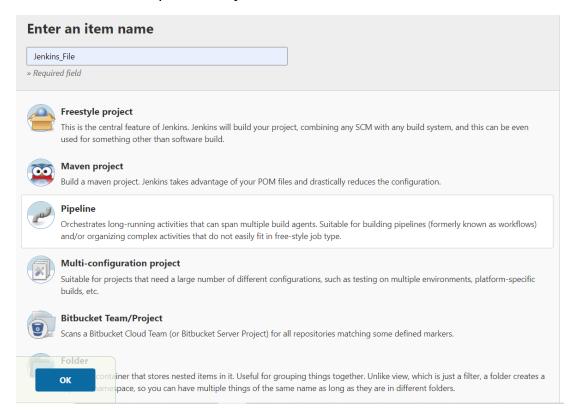
## **Experiment for demonstrating how to create pipeline using Jenkins File**

• Create a Jenkins File and push this project to GitHub. The Jenkins File is created such that the pipeline code will configure pipeline in two phases, first is build phase where "build stage" is the output and second is test phase where the command "mvn clean" is executed.

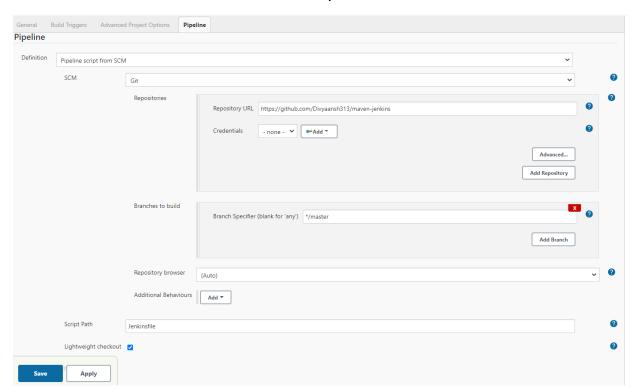
```
pipeline{
   agent any
   stages{
    stage('Build'){
     steps{
       echo 'Build Stage'
      }
   }
   stage('Test'){
      steps{
      shell('mvn clean')
      }
   }
}
```



Create a new Pipeline Project.

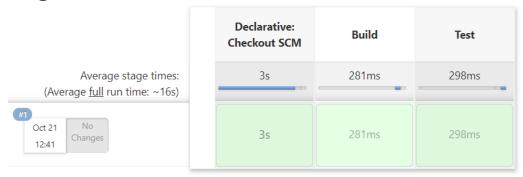


• In the Pipeline Options, configure the job to fetch the Jenkins file from GitHub and execute the jobs as written in the file. Note that the name of file should be "JenkinsFile" without any extension.



 Saving this project and running/building this project. A pipeline will be shown at the screen giving the build time for both the phases.

## **Stage View**



• The console output for the project is given below.

