01) What is Jenkins pipeline?

Jenkins Pipeline is a collection of jobs or events that brings the software from version control like git into the hands of the end users by using automation tools.

02) What scripting language is Jenkins pipeline syntax based on?

Everything in Jenkins is written in JAVA

03) What are the ways you can write pipeline in Jenkins?

Two types of syntax are used for defining your Jenkins File.

Declarative:

Declarative pipeline syntax offers a simple way to create pipelines. It consists of a predefined hierarchy to create Jenkins pipelines. It provides you the ability to control all aspects of a pipeline execution in a simple, straight forward manner.

- Scripted:

Scripted Jenkins pipeline syntax runs on the Jenkins master with the help of a lightweight executor. It uses very few resources to convert the pipeline into atomic commands.

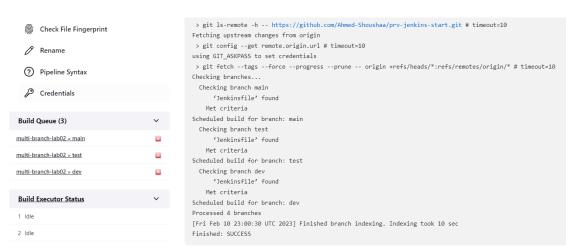
04) Create Jenkins pipeline for your repo and use script file (Jenkins file) to write pipeline syntax?



```
1 pipeline {
2    agent any
3    stages {
4    stage('BUILD') {
5        steps {
6        echo "BUILD SUCCEEDED..."
7        }
8     }
9    stage('TEST') {
10        steps {
11        echo "TEST SUCCEEDED..."
12     }
13     }
14    stage('DEPLOY') {
15        steps {
16        echo "DEPLOYMENT SUCCEEDED..."
17     }
18     }
19    }
20 }
```

05) Create another multibranch pipeline and filter branches to contain only (master, dev, test)?





multi-branch-lab02

Branches (3)

