

**Shared library** : create common set of logics which can be shared amongs teams for collaborative work

Go to Jenkins

Go to manage Jenkins -> configure

### Global Pipeline Libraries

Sharable libraries available to any Pipeline jobs running on this system. These libraries will be trusted, meaning they run without "sandbox" restrictions and may use @Grab.

Add

Click on add

#### Library

Name ?

shared-lib

Default version ?

main

Cannot validate default version until after saving and reconfiguring.

☐ Load implicitly ?

☒ Allow default version to be overridden ?

☒ Include @Library changes in job recent changes ?

#### Retrieval method

Modern SCM

Loads a library from an SCM plugin using newer interfaces optimized for this purpose. The recommended option when available.

#### Source Code Management

Git

#### Project Repository ?

https://github.com/akshu20791/sharedlibs

#### Credentials ?

- none -

Add

Save

Go to the Jenkins and create a new item

#### Enter an item name

test-pipeline

» Required field



#### Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.



#### Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



#### Multi-configuration project

Select pipeline

Script ?

```
1 @Library('shared-lib') _
2
3 pipeline{
4   agent any
5   stages{
6     stage('demo'){
7       steps{
8         welcome ("qprofiles")
9         welcome ("Viratkohli")
10        script{
11          calculator.add(2,5)
12          calculator.mul(10,10)
13        }
14      }
15    }
16  }
17 }
```

try sample Pipeline... ▾

*Handwritten note: it is (2,5) with an arrow pointing to the value 2.5 in the script block.*

@Library('shared-lib') \_

pipeline{

agent any

stages{

stage('demo'){

steps{

welcome ("qprofiles")

welcome ("Shahrukhkhan")

welcome ("Viratkohli")

script{

calculator.add(2,5)

calculator.mul(10,10)

}

}

}

}

}

## Build now

