Experiment-2

Implementation:-
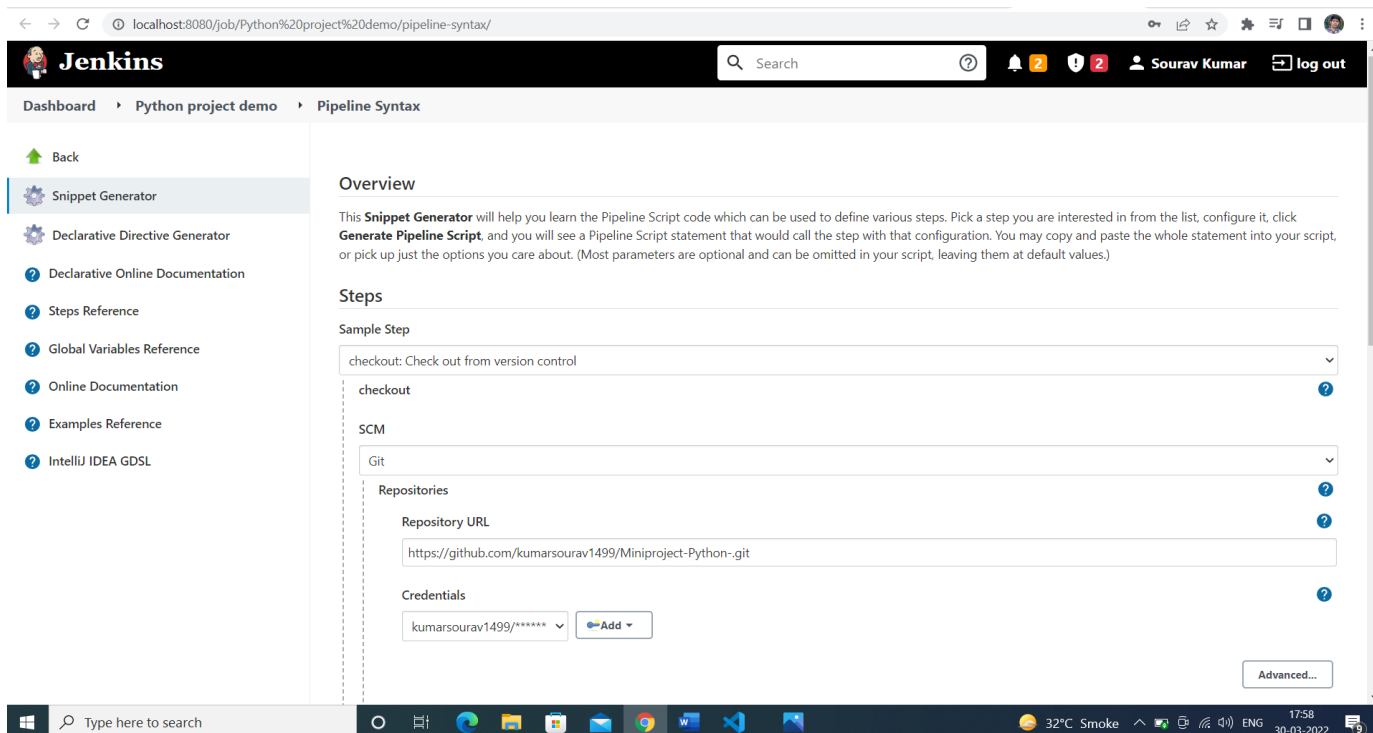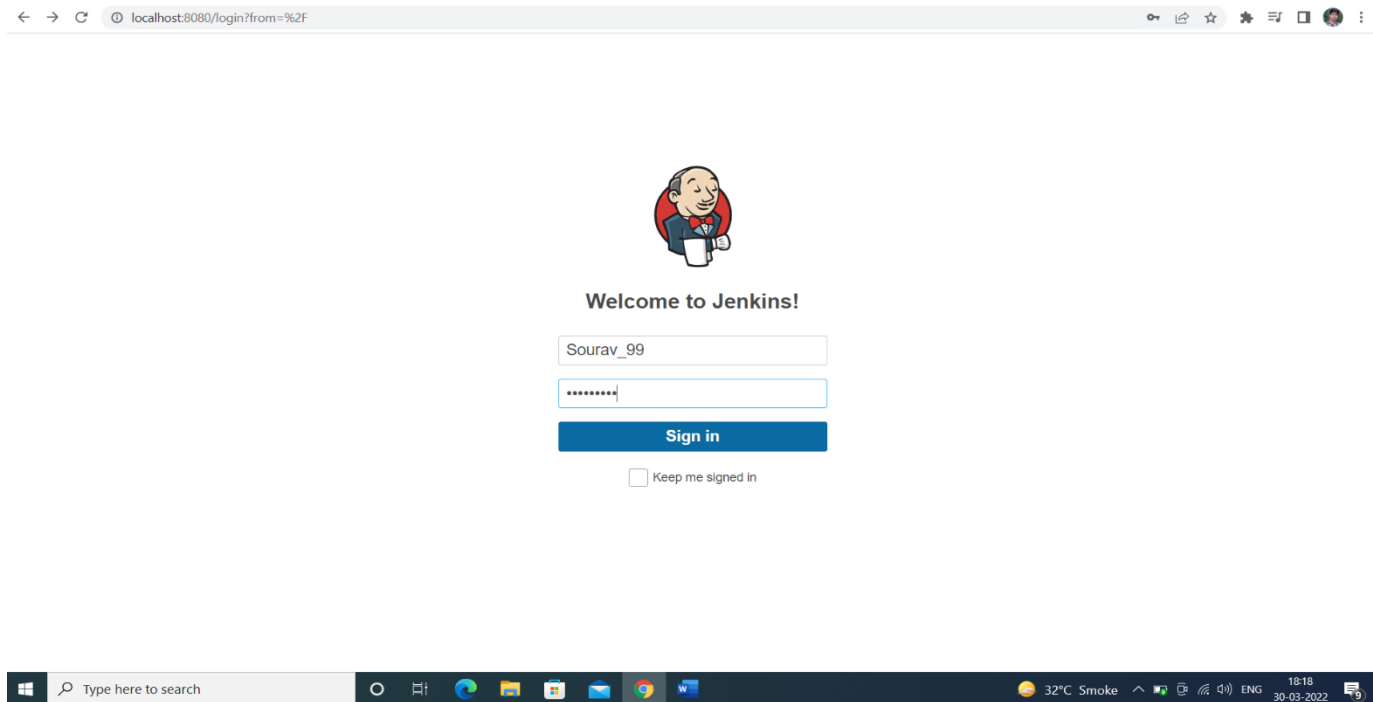
Pipeline script

Script

```
pipeline {
  agent any


  stages {
    stage('Checkout') {
      steps {
        checkout([$class: 'GitSCM', branches: [[name: '*/master']], extensions: [],
userRemoteConfigs: [[credentialsId: '9a2a32d1-dcfc-457e-9268-c589babe1903', url:
'https://github.com/kumarsourav1499/Miniproject-Python-.git']]])

      }
    }
    stage('Build') {
      steps {
        git credentialsId: '9a2a32d1-dcfc-457e-9268-c589babe1903', url:
'https://github.com/kumarsourav1499/Miniproject-Python-.git'

        bat 'python list_sourav.py'

      }
    }
    stage('Test') {
      steps {
        echo 'the job has been tested'

      }
    }
  }
}
```

Branches to build ❓

Branch Specifier (blank for 'any') ❓

*/master

Delete

Add Branch

Repository browser ❓

(Auto)

Additional Behaviours

Add ▾

☑ Include in polling? ❓

☑ Include in changelog? ❓

Generate Pipeline Script

```
checkout([$class: 'GitSCM', branches: [[name: '*/master']], extensions: [], userRemoteConfigs: [[credentialsId: '9a2a32d1-dcfc-457e-9268-c589babe1903', url:
'https://github.com/kumarsourav1499/Miniproject-Python-.git']]])
```

Global Variables

There are many features of the Pipeline that are not steps. These are often exposed via global variables, which are not supported by the snippet generator. See the **Global Variables Reference** for details.

Jenkins

🔍 Search ❓ 🔔 2 🛡 2 👤 Sourav Kumar 🚪 log out

🔼 Back

⚙ **Snippet Generator**

⚙ Declarative Directive Generator

❓ Declarative Online Documentation

❓ Steps Reference

❓ Global Variables Reference

❓ Online Documentation

❓ Examples Reference

❓ IntelliJ IDEA GDSL

Overview

This **Snippet Generator** will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click **Generate Pipeline Script**, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)

Steps

Sample Step

git: Git

git ❓

Repository URL ❓

https://github.com/kumarsourav1499/Miniproject-Python-.git

Branch ❓

master

Credentials ❓

kumarsourav1499/******   🔑 Add ▾

☑ Include in polling? ❓

☑ Include in changelog? ❓

Examples Reference

IntelliJ IDEA GDSL

Repository URL

https://github.com/kumarsourav1499/Miniproject-Python-.git

Branch

master

Credentials

kumarsourav1499/****** | 🔑 Add ▾

☑ Include in polling?

☑ Include in changelog?

Generate Pipeline Script

git credentialsId: '9a2a32d1-dcfc-457e-9268-c589babe1903', url: 'https://github.com/kumarsourav1499/Miniproject-Python-.git'

Global Variables

There are many features of the Pipeline that are not steps. These are often exposed via global variables, which are not supported by the snippet generator. See the **Global Variables Reference** for details.

Jenkins 2.319.2

Jenkins

🔍 Search | ? | 🔔 2 | ⚠ 2 | 👤 Sourav Kumar | ⤶ log out

🔙 Back

⚙ Snippet Generator

⚙ Declarative Directive Generator

? Declarative Online Documentation

? Steps Reference

? Global Variables Reference

? Online Documentation

? Examples Reference

? IntelliJ IDEA GDSL

Overview

This **Snippet Generator** will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click **Generate Pipeline Script**, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)

Steps

Sample Step

bat: Windows Batch Script

bat

Batch Script ?

python list_sourav.py

Advanced...

Generate Pipeline Script

bat 'python list_sourav.py'

Dashboard ▸ Python project demo ▸

- 🔼 Back to Dashboard
- 🔍 Status
- 📝 Changes
- ⚙ Build Now
- ⚙ Configure
- 🚫 Delete Pipeline
- 🔍 Full Stage View
- 📝 Rename
- ❓ Pipeline Syntax

Pipeline Python project demo

This job will build the small python program using pipeline syntax.

✏ Edit description

Disable Project

📓 Recent Changes

Stage View

	Checkout	Build	Test
Average stage times: (Average full run time: ~26s)	7s	4s	505ms
#1 Mar 30 17:51 — No Changes	7s	4s	505ms

Permalinks

- Last build (#1), 17 min ago
- Last stable build (#1), 17 min ago
- Last successful build (#1), 17 min ago
- Last completed build (#1), 17 min ago

Build History trend ∧

Filter builds...

⊘ #1   30-Mar-2022 17:51

📶 Atom feed for all   📶 Atom feed for failures

Jenkins

🔍 Search   ❓   🔔 2   ⚠ 2   👤 Sourav Kumar   ⟶ log out

Dashboard ▸ Python project demo ▸ #1

- 🔼 Back to Project
- 🔍 Status
- 📝 Changes
- 🖥 Console Output
  - 📄 View as plain text
- 📝 Edit Build Information
- 🚫 Delete build '#1'
- 📊 Git Build Data
- 🔄 Restart from Stage
- ↩ Replay
- ⚙ Pipeline Steps
- 📁 Workspaces

⊘ Console Output

```
Started by user Sourav Kumar
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\Python project demo
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout)
[Pipeline] checkout
The recommended git tool is: NONE
using credential 9a2a32d1-dcfc-457e-9268-c589babe1903
Cloning the remote Git repository
Cloning repository https://github.com/kumarsourav1499/Miniproject-Python-.git
 > git.exe init C:\ProgramData\Jenkins\.jenkins\workspace\Python project demo # timeout=10
Fetching upstream changes from https://github.com/kumarsourav1499/Miniproject-Python-.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.33.0.windows.2'
using GIT_ASKPASS to set credentials
 > git.exe fetch --tags --force --progress -- https://github.com/kumarsourav1499/Miniproject-Python-.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe config remote.origin.url https://github.com/kumarsourav1499/Miniproject-Python-.git # timeout=10
 > git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 5467ad9d9292f68a0c03cacd3171c5e27a3152cb (refs/remotes/origin/master)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f 5467ad9d9292f68a0c03cacd3171c5e27a3152cb # timeout=10
Commit message: "Add files via upload"
First time build. Skipping changelog.
```

```
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\Python project demo\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/kumarsourav1499/Miniproject-Python-.git # timeout=10
Fetching upstream changes from https://github.com/kumarsourav1499/Miniproject-Python-.git
> git.exe --version # timeout=10
> git --version # 'git version 2.33.0.windows.2'
using GIT_ASKPASS to set credentials
> git.exe fetch --tags --force --progress -- https://github.com/kumarsourav1499/Miniproject-Python-.git +refs/heads/*:refs/remotes/origin/* #
timeout=10
> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 5467ad9d9292f68a0c03cacd3171c5e27a3152cb (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 5467ad9d9292f68a0c03cacd3171c5e27a3152cb # timeout=10
> git.exe branch -a -v --no-abbrev # timeout=10
> git.exe checkout -b master 5467ad9d9292f68a0c03cacd3171c5e27a3152cb # timeout=10
Commit message: "Add files via upload"
[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\Python project demo>python list_sourav.py
The reversed list is [1, 6, 3, 9, 8]
The sorted list is [34, 54, 56, 64, 67, 70, 78, 87, 91, 120, 345]
List3 = [1, 6, 3, 9, 8]
The index values are [56, 64, 67, 70]
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
the job has been tested
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```