Jenkin Challenge 2 Task 2 Jenkins Parameterized Builds

A new DevOps Engineer has joined the team and he will be assigned some Jenkins related tasks. Before that, the team wanted to test a simple parameterized job to understand basic functionality of parameterized builds. He is given a simple parameterized job to build in Jenkins. Please find more details below:

Click on the `Jenkins` button on the top bar to access the Jenkins UI. Login using username `admin` and password `Adm!n321`.
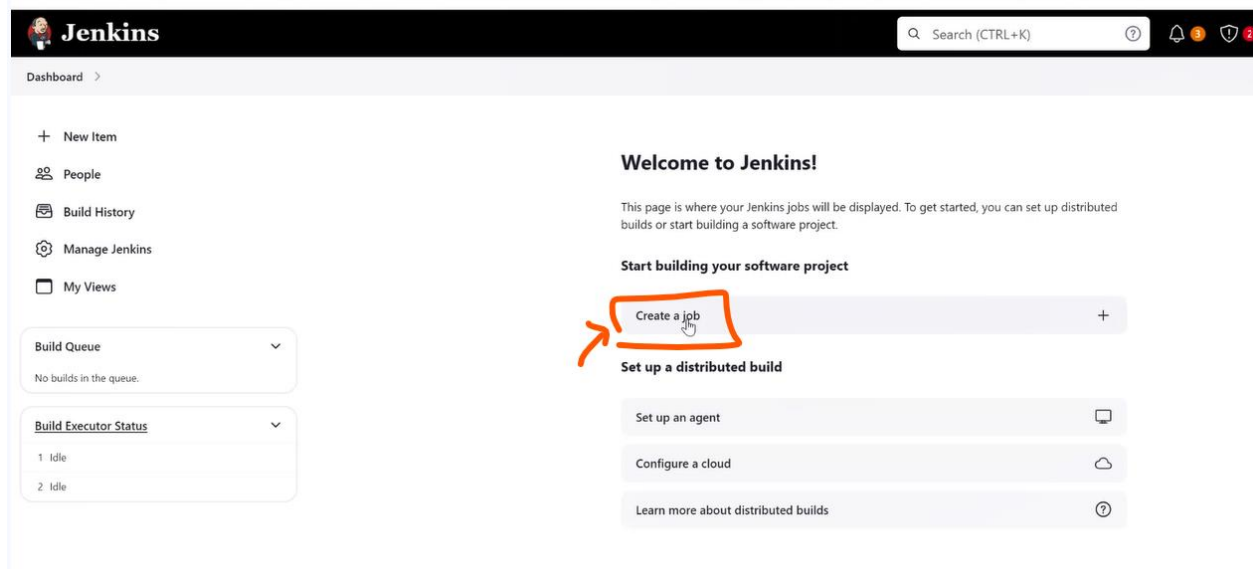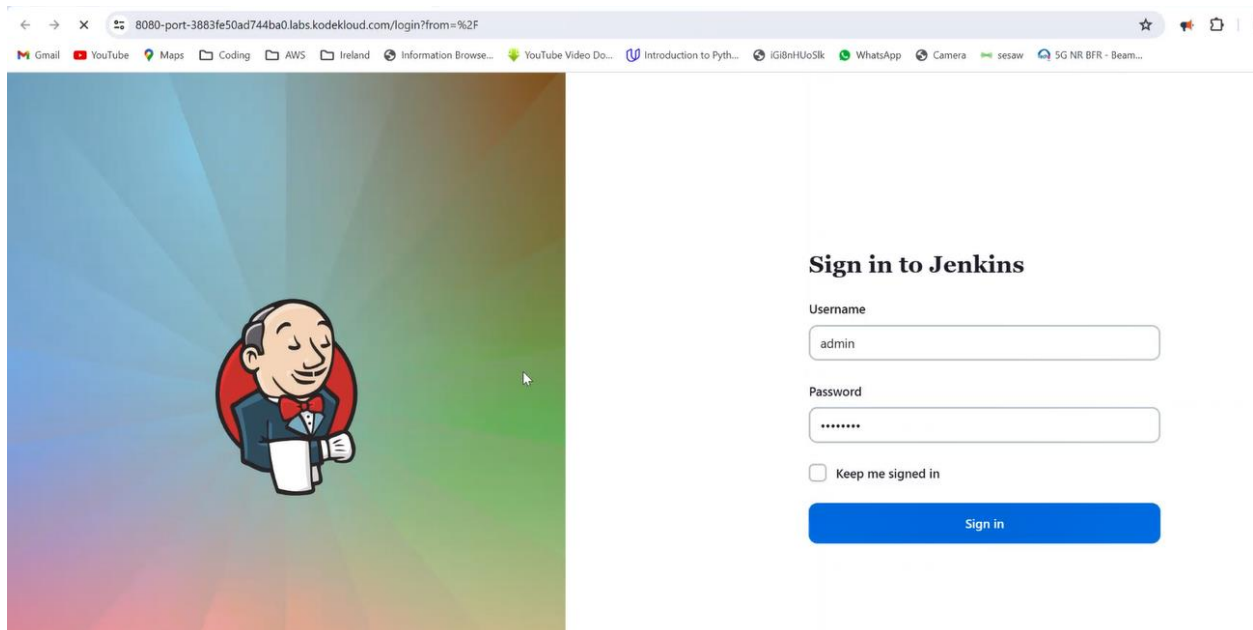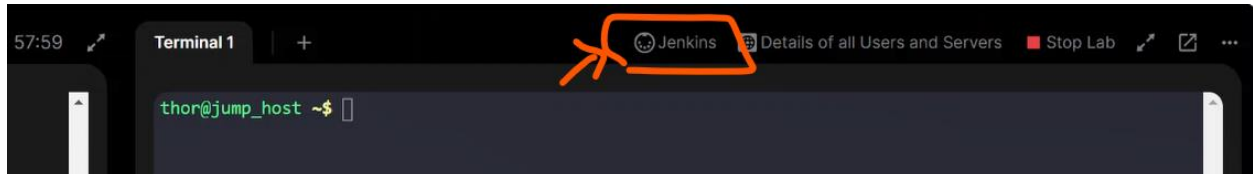
1. Create a `parameterized` job which should be named as `parameterized-job`

2. Add a `string` parameter named `Stage`; its default value should be `Build`.

3. Add a `choice` parameter named `env`; its choices should be `Development`, `Staging` and `Production`.

4. Configure job to execute a shell command, which should echo both parameter values (you are passing in the job).

5. Build the Jenkins job at least once with choice parameter value `Production` to make sure it passes.

`Note:`

1. You might need to install some plugins and restart Jenkins service. So, we recommend clicking on `Restart Jenkins when installation is complete and no jobs are running` on plugin installation/update page i.e `update centre`. Also, Jenkins UI sometimes gets stuck when Jenkins service restarts in the back end. In this case, please make sure to refresh the UI page.

2. For these kind of scenarios requiring changes to be done in a web UI, please take screenshots so that you can share it with us for review in case your task is marked

incomplete. You may also consider using a screen recording software such as loom.com to record and share your work.

Login as : username `admin` and password `Adm!n321` .

Enter an item name

parameterized-job

» Required field

Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.

OK

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

Plain text Preview

Discard old builds ?

☑ This project is parameterised ?

Add Parameter ^

🔽 Filter

Boolean Parameter
Choice Parameter
File Parameter
Multi-line String Parameter
Password Parameter
Run Parameter
String Parameter

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

Stage

Default Value ?

Build

Description ?

Plain text Preview

☐ Trim the string ?

≡ Choice Parameter ?   ✕

Name ?

Choices ?

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

Plain text **Preview**

☐ Trim the string ?

☰ Choice Parameter ?

Name ?

env

Choices ?

Development
Staging
Production

🔴 **Requires Choices.**

Description ?

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

☐ Build periodically ?
☐ Poll SCM ?

Build Steps

☰ Execute shell ?

Command

See **the list of available environment variables**

```
echo $Stage $env
```

Advanced ⌄

Add build step ⌄

Post-build Actions

Save   Apply

Jenkins

parameterized-job

Create a parameterized job which should be named as parameterized-job

- Status
- Changes
- Workspace
- **Build with Parameters**
- Configure
- Delete Project
- Rename

Permalinks

Build History   trend ⌄

No builds

Atom feed for all   Atom feed for failures

Project parameterized-job

- Status
- Changes
- Workspace
- Build with Parameters
- Configure
- Delete Project
- Rename

This build requires parameters:

Stage

Add a string parameter named Stage; its default value should be Build.

Build

env

Development ⌄

Development
Staging
Production   Cancel

Build

Build History   trend ⌄

No builds

Atom feed for all   Atom feed for failures

Jenkins

✓ Console Output

- Status
- Changes
- **Console Output**
  - View as plain text
- Edit Build Information
- Delete build '#1'
- Parameters

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/parameterized-job
[parameterized-job] $ /bin/sh -xe /tmp/jenkins9768710462749837413.sh
+ echo Build Production
Build Production
Finished: SUCCESS
```