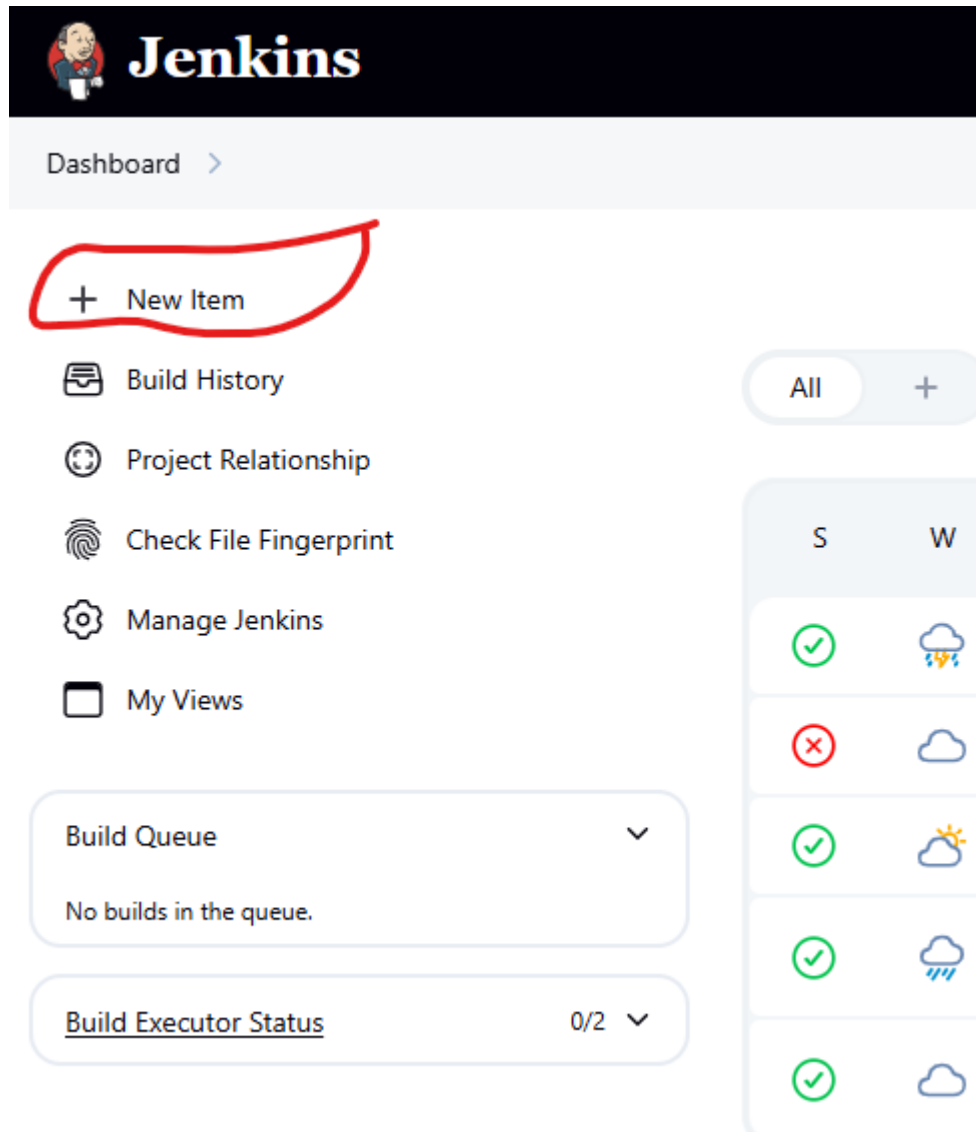






How to create parameterized job in JENKINS ?

On dashboard, select 'New Item'



Write name of your job, select Freestyle project and click ok

 **Jenkins**

  2  1


Dashboard > All > New Item


New Item


Enter an item name

ParameterizedJob1

Select an item type

 **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.

 **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**

OK


In configuration, Select 'THIS JOB IS PARAMETERIZED'

Dashboard > ParameterizedJob > Configuration

Configure

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

General

Enabled 

Description

Plain text [Preview](#)

☐ Discard old builds ?

☐ GitHub project

☒ This project is parameterized ?

NOTE: You must create all the parameters you're passing in your XML file.

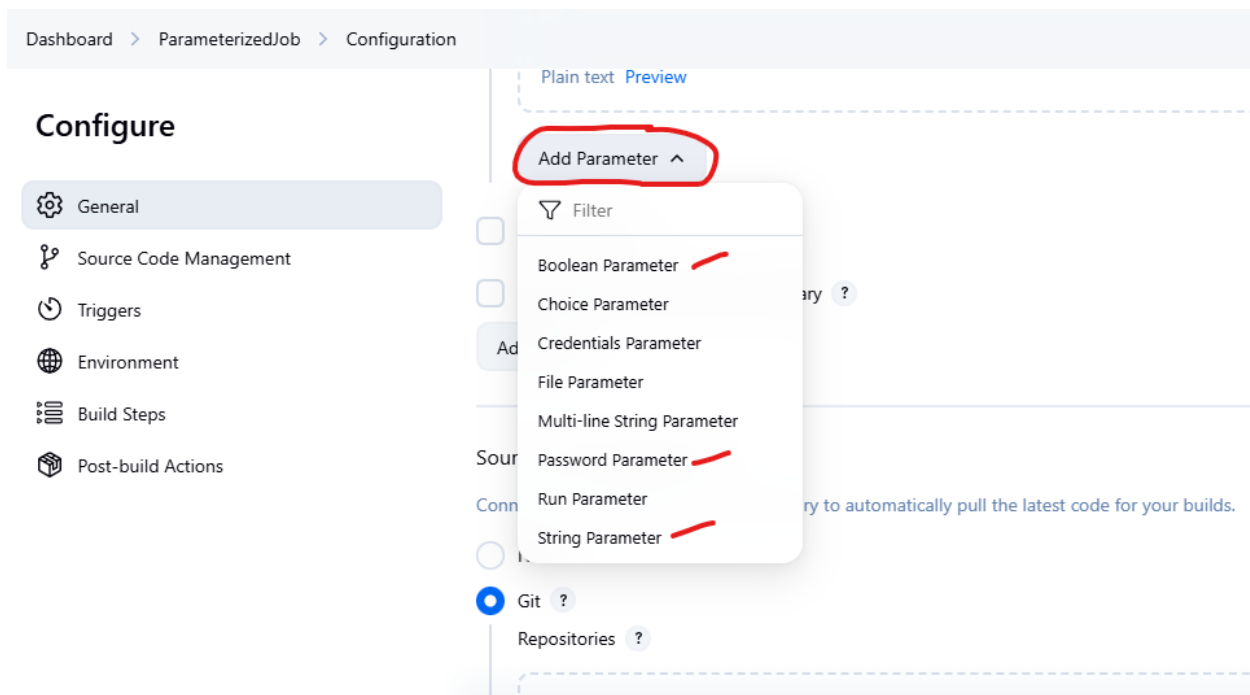
Example:

```
DivisibleByFive.java  parameters.xml x
1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
3  <suite name="Parameters">
4      <parameter name="name" value="Hello World"/>
5      <parameter name="password" value="Hyderabad"/>
6      <parameter name="browser" value="firefox"/>
7      <test name="Parameters">
8          <classes>
9              <class name="TestNG.parameters"/></class>
10             <class name="Selenium.alerts"/></class>
11          </classes>
12      </test>
13  </suite>
```

Go to 'Add Parameter' → select from the dropdown, the parameter type you need.

Example: for typing anything as text, select String parameter.

For typing password without revealing, select Password parameter, etc.



I have 3 parameters in my XML file shown above. Here are these-

≡ Password Parameter ?

×

Name ?

password

Default Value ?

🔒 Concealed

Change Password

Description ?

Plain text [Preview](#)

≡ String Parameter ?

×

Name ?

name

Default Value ?

Description ?

Plain text [Preview](#)

Choice Parameter ?

Name ?

browser

Choices ?

- chrome
- edge
- firefox

Description ?

Select which browser is needed for execution

In source code management, select GIT repository and paste the url(as you do in usual job).

Select your credentials.

Select your branch.

Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ **Git** ?

Repositories ?

Repository URL ?

git@github.com:TheQAGuy007/NIT-730PM-Apr2025.git

Credentials ?

pragyasharmaqa

+ Add

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Repository browser ?

In BUILD STEPS, select 'Invoke top-level maven targets'.

In Goals, write

```
test -DsuiteFile=parameters -Dname=${name} -Dpassword=${password} -Dbrowser=${browser}
```

{where parameters is your XML file name; name, password and browser are names you have given for your parameters.}

Point to note: the name of the parameters should match exactly the one in your XML file.

Since the value you supply should have a placeholder.

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Invoke top-level Maven targets ?

Maven Version

maven

Goals

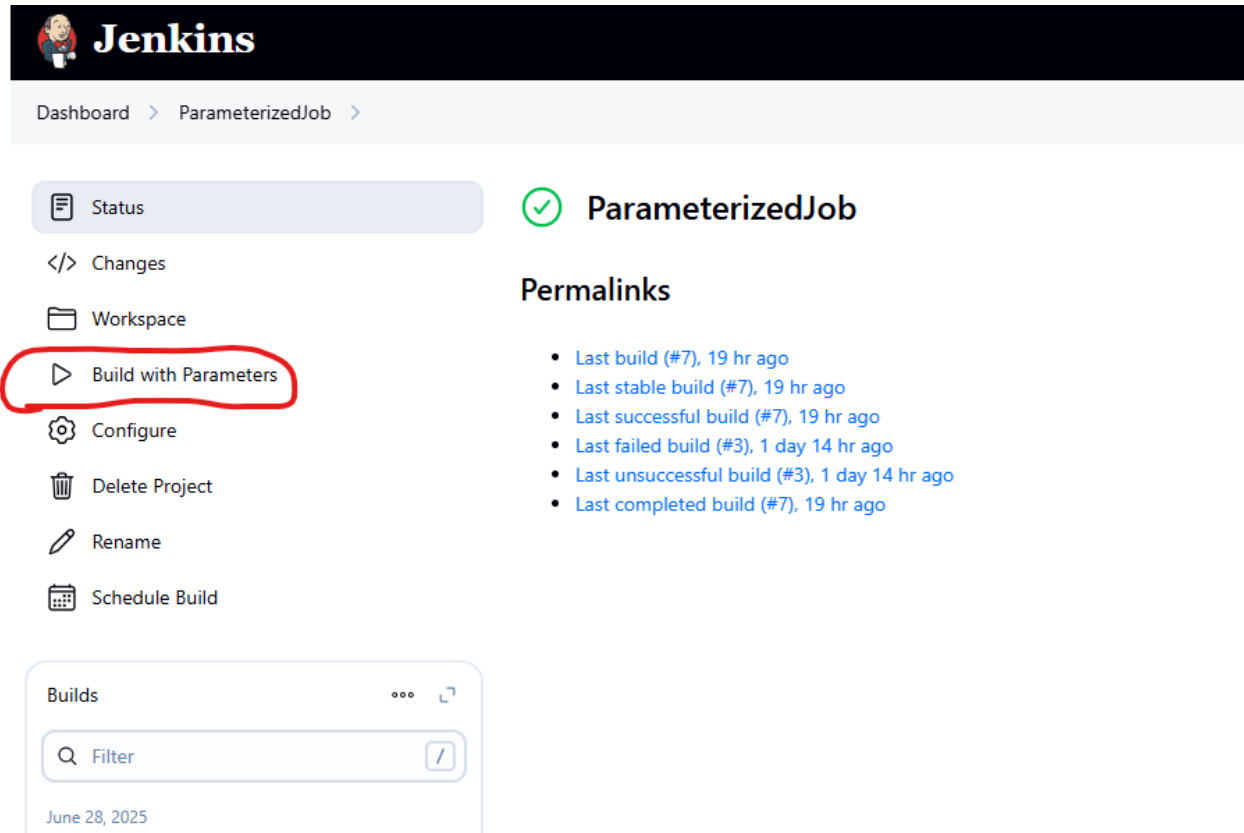
test -DsuiteFile=parameters -Dname=\${name} -Dpassword=\${password} -Dbrowser=\${browser}

Advanced

Add build step

Click Apply and Save

Now go to 'Build with parameters'



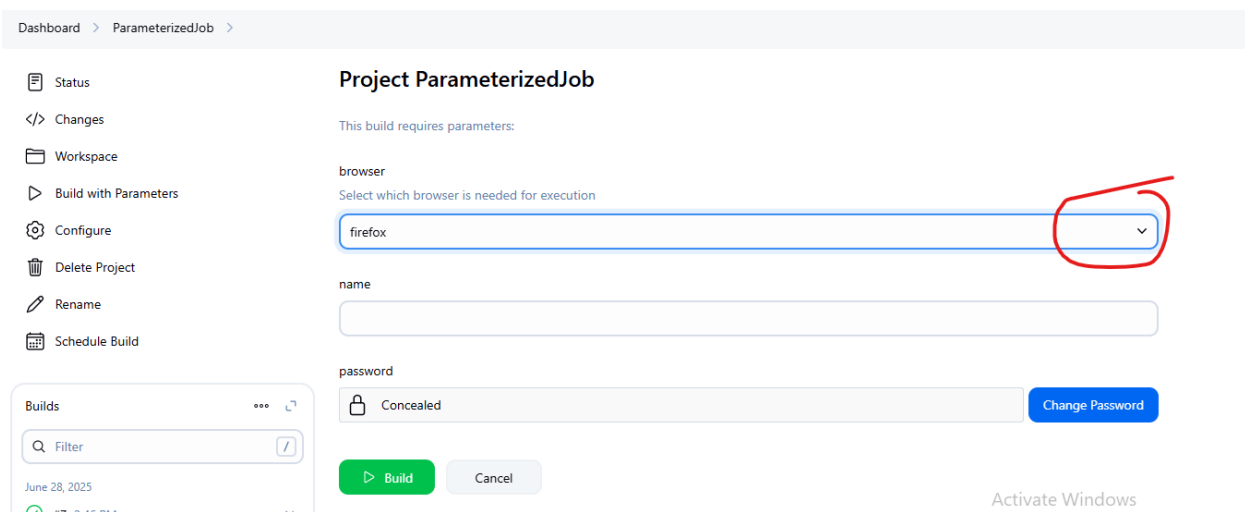
The screenshot shows the Jenkins web interface for a job named 'ParameterizedJob'. The breadcrumb navigation at the top reads 'Dashboard > ParameterizedJob >'. On the left sidebar, the 'Build with Parameters' option is highlighted with a red circle. The main content area has a green checkmark icon and the title 'ParameterizedJob'. Below this is a 'Permalinks' section with a list of links: 'Last build (#7), 19 hr ago', 'Last stable build (#7), 19 hr ago', 'Last successful build (#7), 19 hr ago', 'Last failed build (#3), 1 day 14 hr ago', 'Last unsuccessful build (#3), 1 day 14 hr ago', and 'Last completed build (#7), 19 hr ago'. At the bottom, there is a 'Builds' section with a search filter and a date 'June 28, 2025'.

Now you select browser of your choice from dropdown.

Pass value for name as you like.

Select Change password option and type your password.

Click on BUILD.



The screenshot shows the 'Project ParameterizedJob' configuration page in Jenkins. The breadcrumb navigation at the top reads 'Dashboard > ParameterizedJob >'. On the left sidebar, the 'Build with Parameters' option is highlighted with a red circle. The main content area has the title 'Project ParameterizedJob' and a message 'This build requires parameters:'. Below this is a 'browser' section with a dropdown menu showing 'firefox' and a red circle around the dropdown arrow. There is a 'name' text input field and a 'password' section with a 'Concealed' input field and a 'Change Password' button. At the bottom, there are 'Build' and 'Cancel' buttons. The bottom right corner has a watermark 'Activate Windows'.

Dashboard > ParameterizedJob >

Status

Changes

Workspace

Build with Parameters

Configure

Delete Project

Rename

Schedule Build

Builds

Filter

June 28, 2025

#7 2:46 PM

#6 2:44 PM

Project ParameterizedJob

This build requires parameters:

browser

Select which browser is needed for execution

firefox

name

pragya

password

.....

Build Cancel

Go to the console output and see the result

```
Please refer to C:\ProgramData\Jenkins\.jenkins\workspace\ParameterizedJob\target\surefire-reports for the individual
test results.
Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 10.068 s
[INFO] Finished at: 2025-06-28T14:46:58+01:00
[INFO] -----
Finished: SUCCESS
```