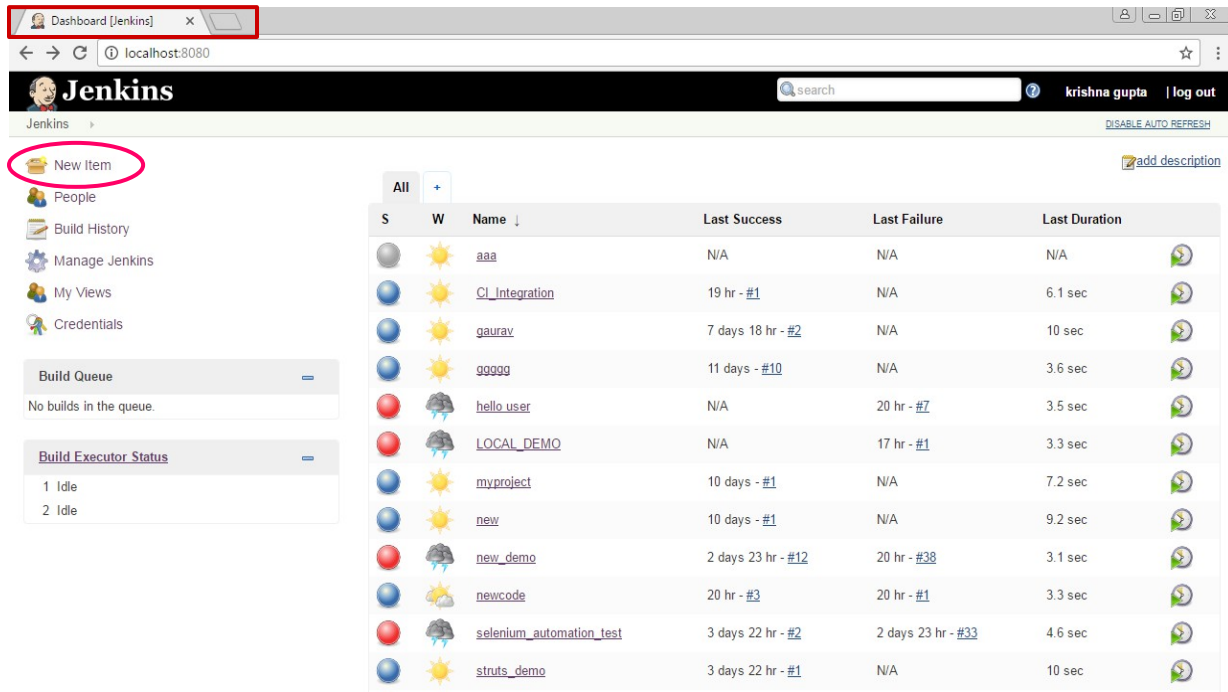


Preparation of build in Jenkins

Step1:

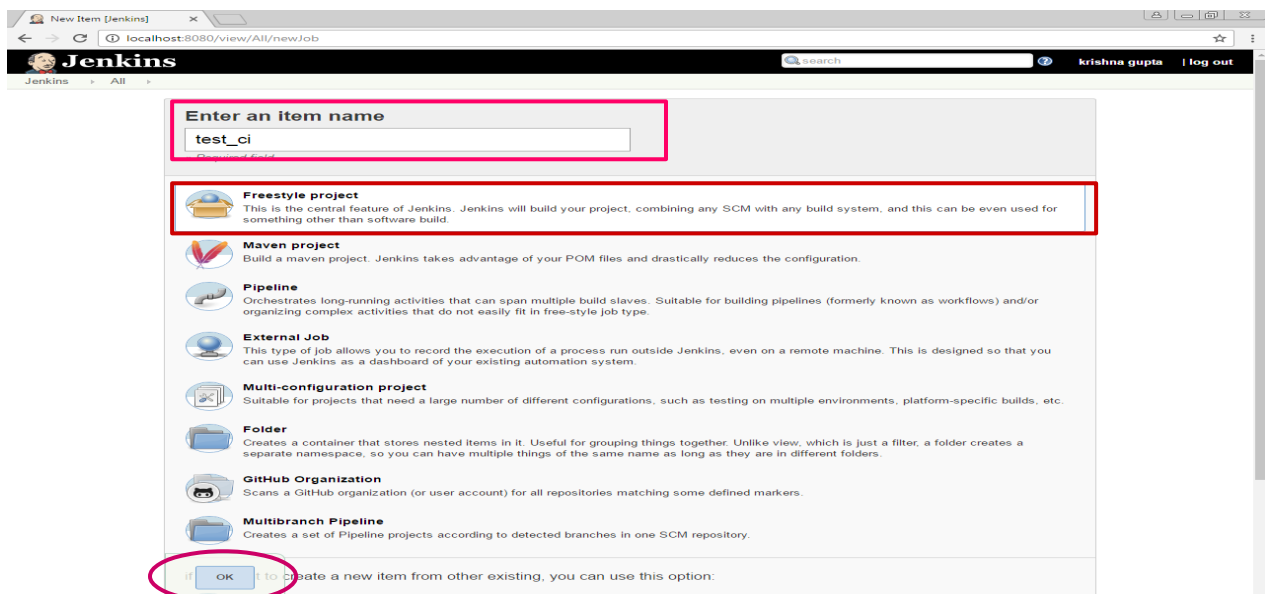
a) Open jenkins dashboard and click on new items as:



The screenshot shows the Jenkins dashboard at localhost:8080. In the left sidebar, the 'New Item' button is circled in red. The main area displays a table of existing jobs. The table has columns for 'S' (Status), 'W' (Icon), 'Name', 'Last Success', 'Last Failure', and 'Last Duration'.

S	W	Name	Last Success	Last Failure	Last Duration
●	☀	aaa	N/A	N/A	N/A
●	☀	CI_integration	19 hr - #1	N/A	6.1 sec
●	☀	gaurav	7 days 18 hr - #2	N/A	10 sec
●	☀	ggggg	11 days - #10	N/A	3.6 sec
●	☁	hello_user	N/A	20 hr - #7	3.5 sec
●	☁	LOCAL_DEMO	N/A	17 hr - #1	3.3 sec
●	☀	myproject	10 days - #1	N/A	7.2 sec
●	☀	new	10 days - #1	N/A	9.2 sec
●	☁	new_demo	2 days 23 hr - #12	20 hr - #38	3.1 sec
●	☁	newcode	20 hr - #3	20 hr - #1	3.3 sec
●	☁	selenium_automation_test	3 days 22 hr - #2	2 days 23 hr - #33	4.6 sec
●	☀	struts_demo	3 days 22 hr - #1	N/A	10 sec

b) Enter an item name and choose freestyle project and then click on ok.



The screenshot shows the 'New Item' form in Jenkins. The 'Enter an item name' field contains 'test_ci'. The 'Freestyle project' option is selected and highlighted with a red box. The 'OK' button is circled in red at the bottom.

Enter an item name
test_ci

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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

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

External Job
This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

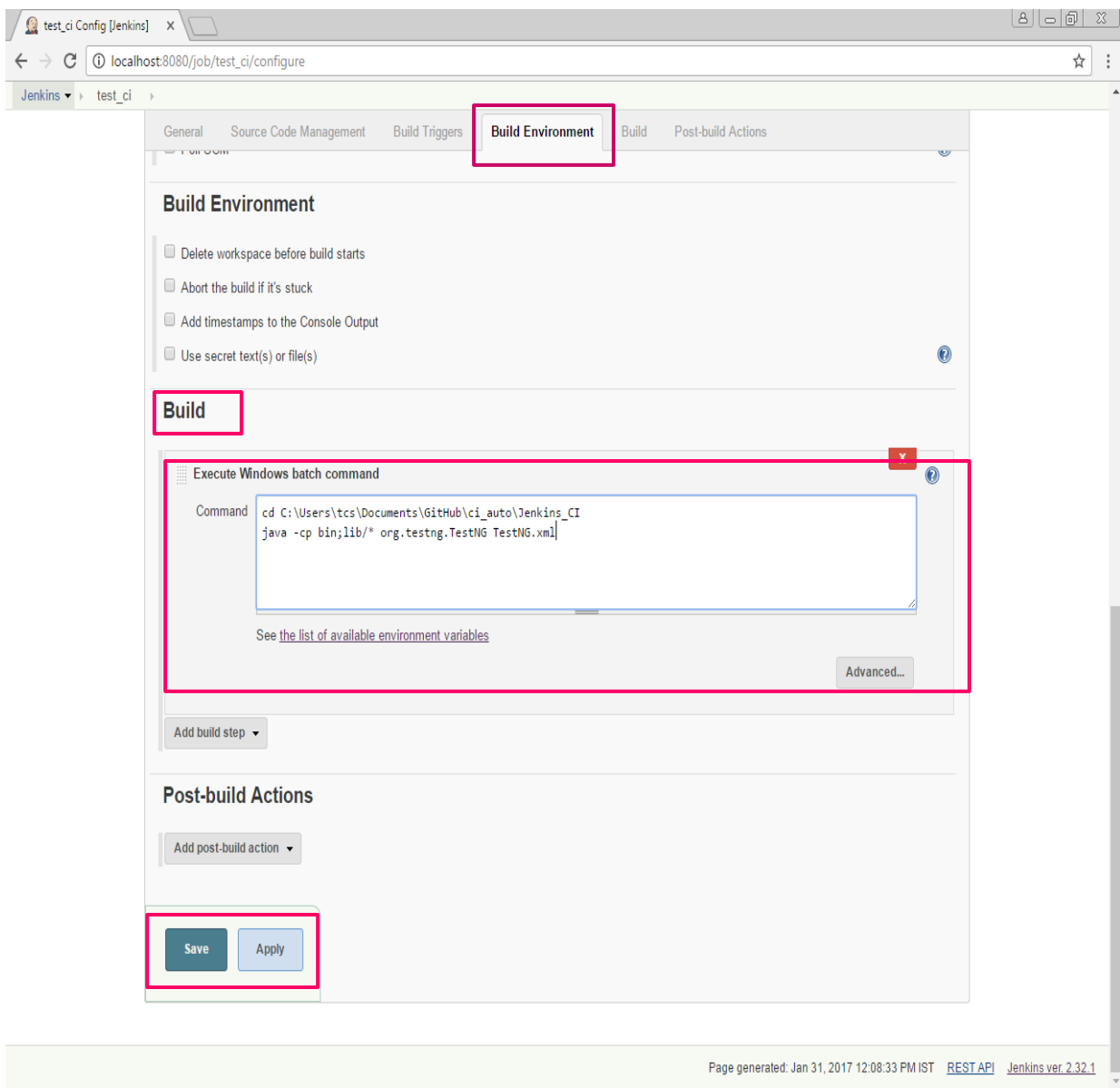
Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

GitHub Organization
Scans a GitHub organization (or user account) for all repositories matching some defined markers.

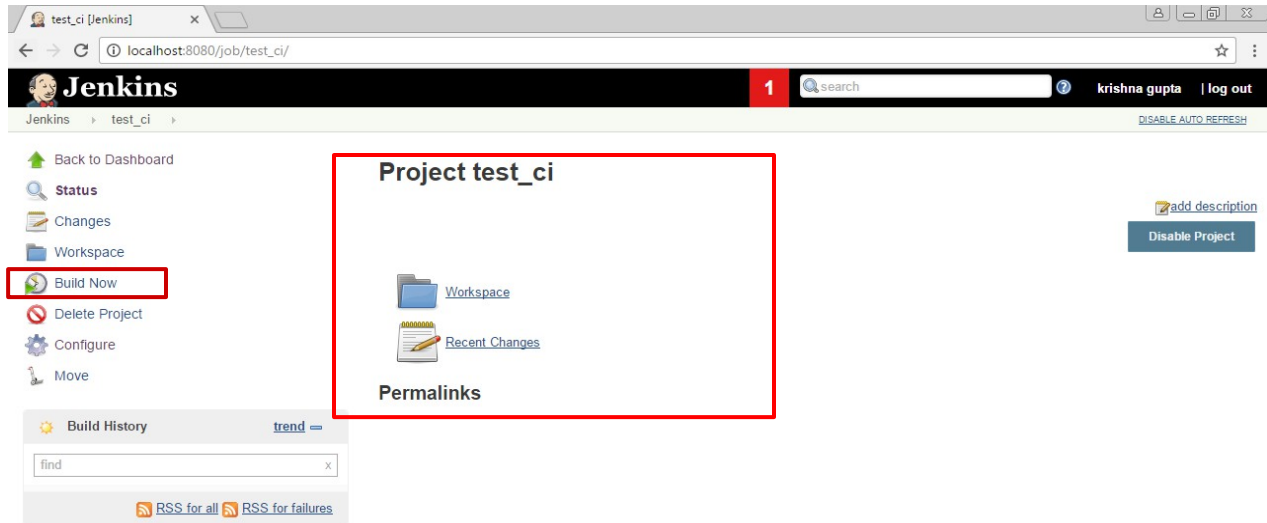
Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

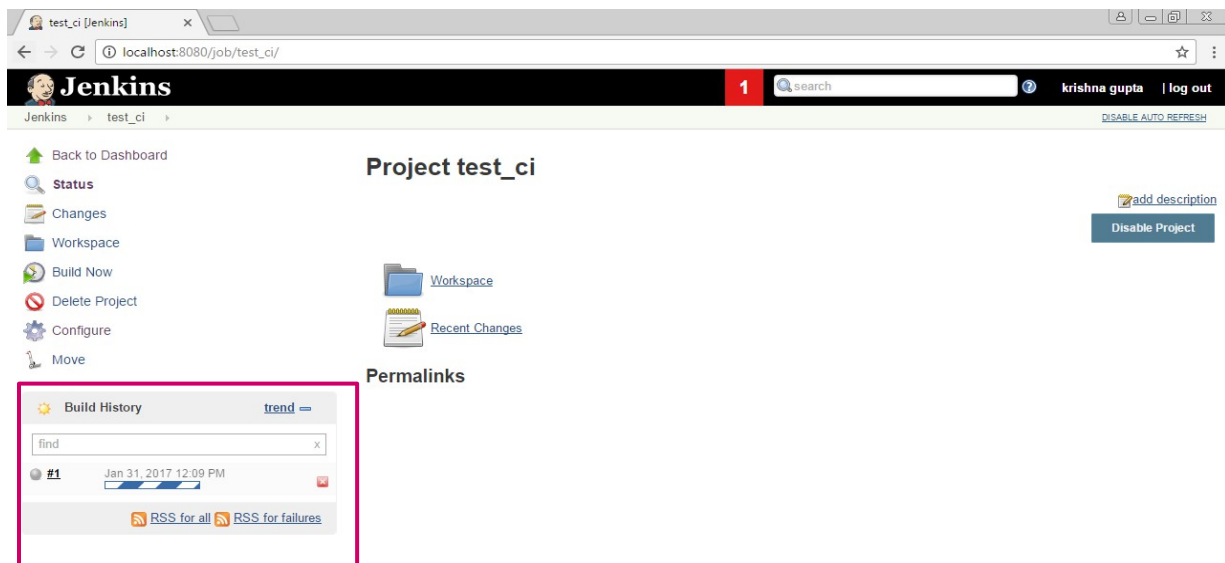
- c)** A **configure** page is open into which we click on **build** then **build step** and then **window batch command** and type command as:
cd C:\Users\tcs\Documents\GitHub\ci_auto\Jenkins_CI
java -cp bin;lib/* org.testng.TestNG TestNG.xml
click on **apply** then **save**.



d) A dashboard with project workspace is appear, on LHS click on **build now**.



e) After clicking **build now** a **build history** page is opened as:

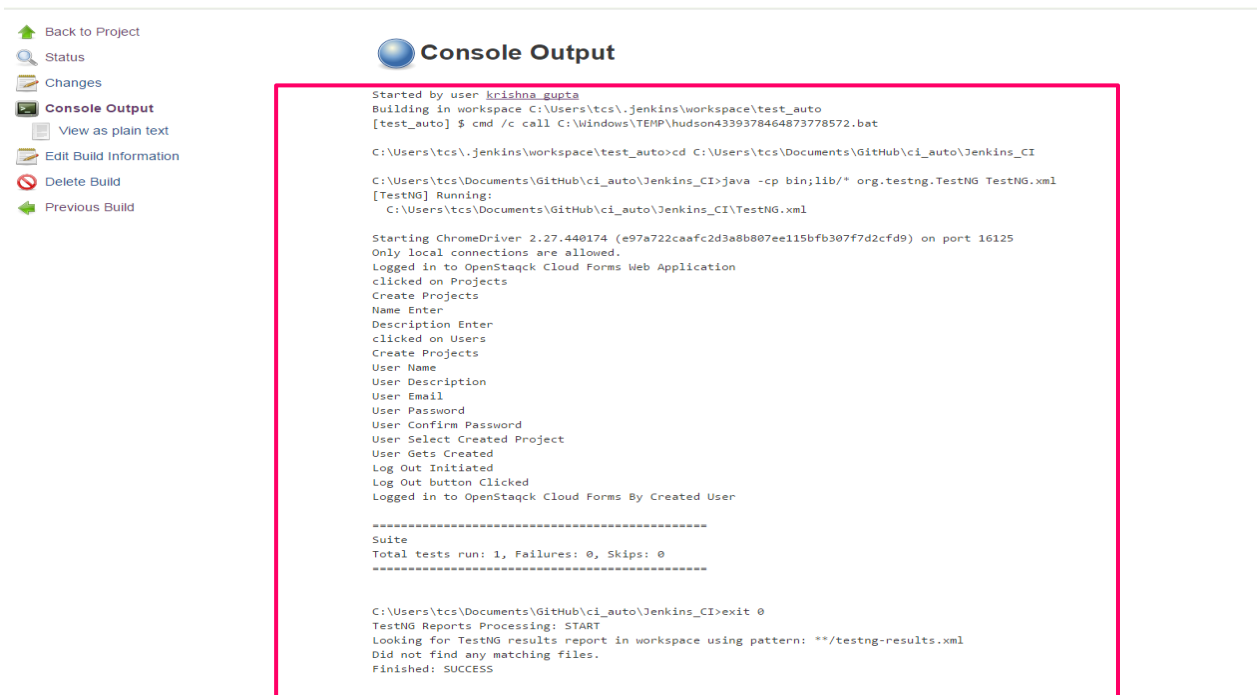


f) In a build history click on **build** a **build page** appear into which click on **console output**:



The screenshot shows the Jenkins web interface. On the left sidebar, the 'Console Output' link is highlighted with a red rectangle. The main content area displays 'Build #1 (Jan 31, 2017 12:09:33 PM)' with a progress bar and status 'Started 25 sec ago'. Below this, there is a message 'No changes.' and 'Started by user krishna.gupta'. A red rectangle highlights the entire build summary section.

g) After clicking console output a page is open with output as:



The screenshot shows the Jenkins 'Console Output' page. The left sidebar has 'Console Output' selected. The main content area displays the build log, which is highlighted with a red rectangle. The log text is as follows:

```
Started by user krishna.gupta
Building in workspace C:\Users\tcs\.jenkins\workspace\test_auto
[test_auto] $ cmd /c call C:\Windows\TEMP\hudson4339378464873778572.bat

C:\Users\tcs\.jenkins\workspace\test_auto>cd C:\Users\tcs\Documents\GitHub\ci_auto\Jenkins_CI
C:\Users\tcs\Documents\GitHub\ci_auto\Jenkins_CI>java -cp bin;lib/* org.testng.TestNG TestNG.xml
[TestNG] Running:
  C:\Users\tcs\Documents\GitHub\ci_auto\Jenkins_CI\TestNG.xml

Starting ChromeDriver 2.27.440174 (e97a722caafc2d3a8b807ee115bfb307f7d2cfd9) on port 16125
Only local connections are allowed.
Logged in to OpenStaqq Cloud Forms Web Application
clicked on Projects
Create Projects
Name Enter
Description Enter
clicked on Users
Create Projects
User Name
User Description
User Email
User Password
User Confirm Password
User Select Created Project
User Gets Created
Log Out Initiated
Log Out button Clicked
Logged in to OpenStaqq Cloud Forms By Created User

-----
Suite
Total tests run: 1, Failures: 0, Skips: 0
-----

C:\Users\tcs\Documents\GitHub\ci_auto\Jenkins_CI>exit 0
TestNG Reports Processing: START
Looking for TestNG results report in workspace using pattern: **/testng-results.xml
Did not find any matching files.
Finished: SUCCESS
```