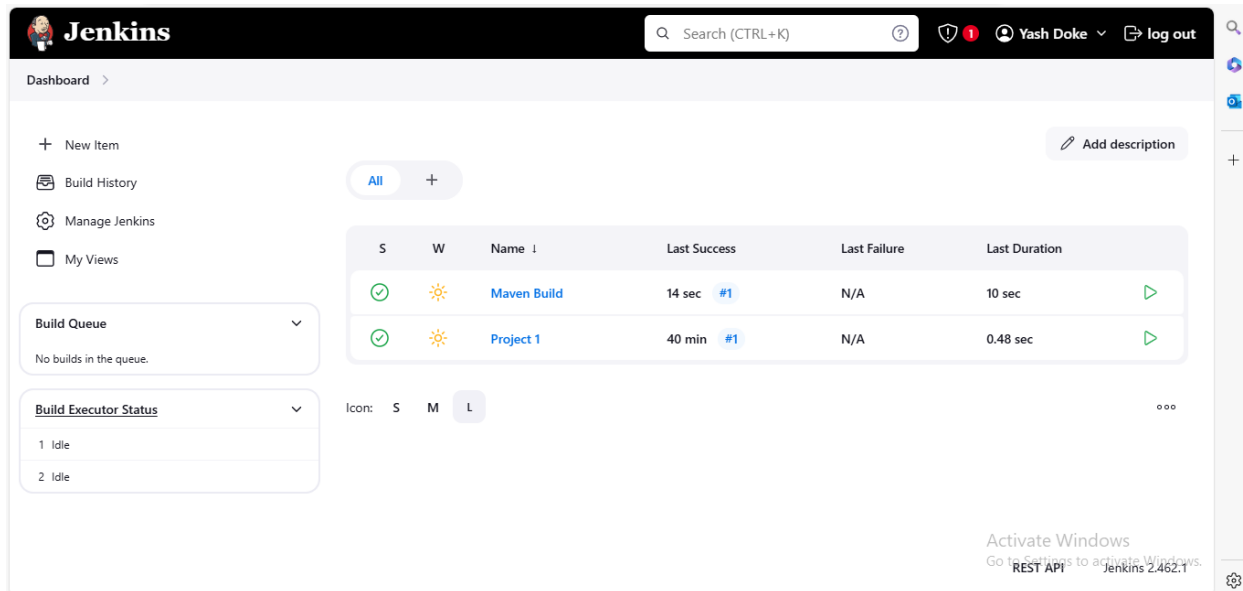


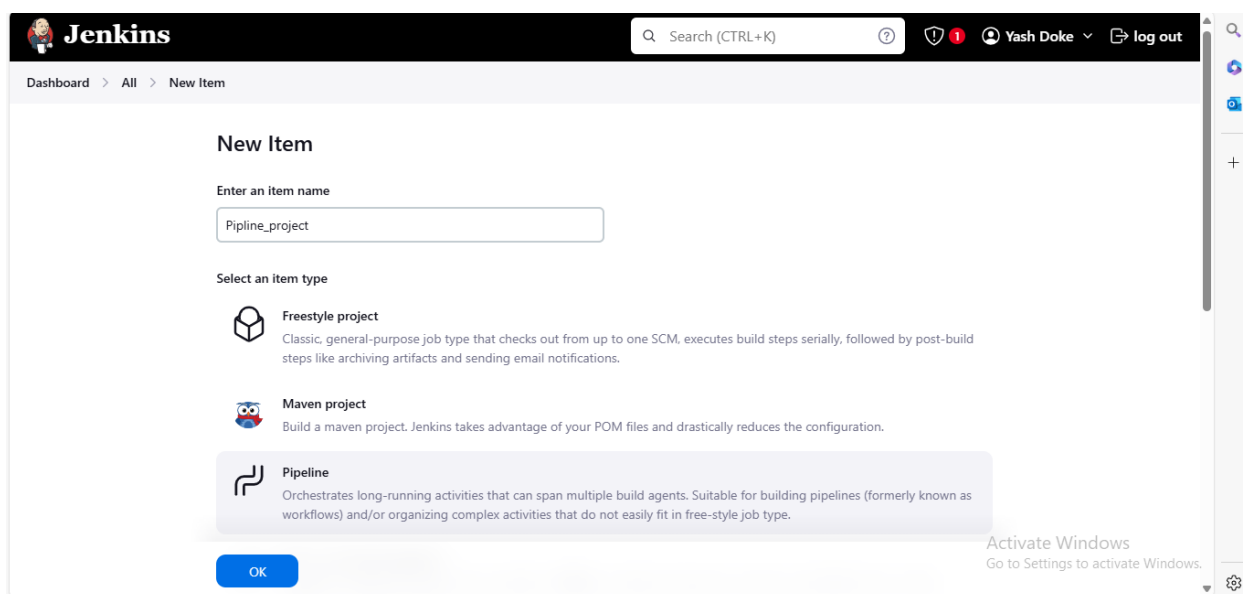
Experiment No. 5

Procedure :

Step 1 : Visit Jenkins dashboard.



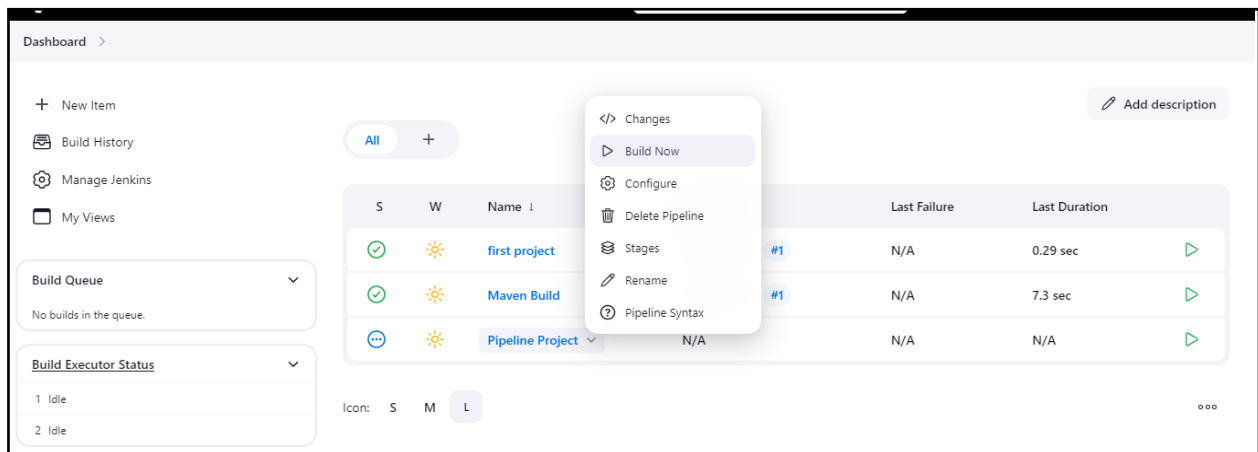
Step 2 : Create new item, enter item name and select pipeline project.



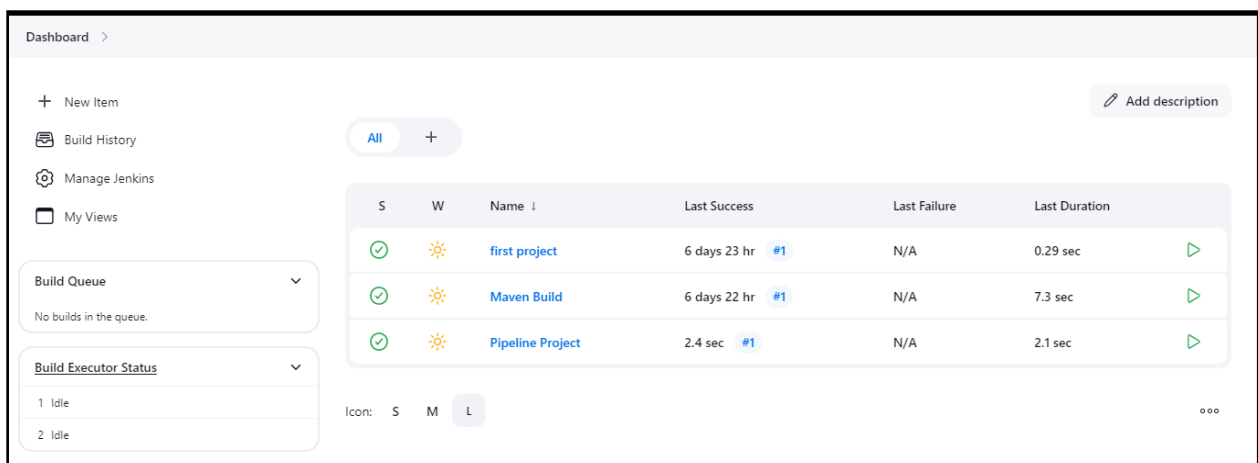
Step 3 : In project configuration write the pipeline script, apply and save.



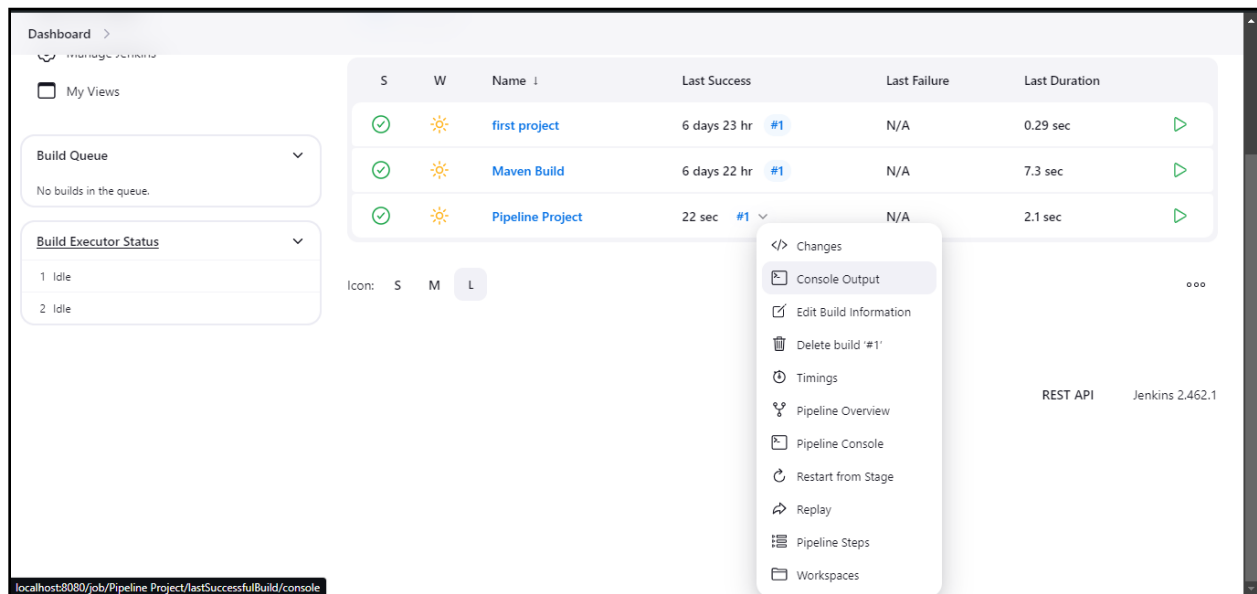
Step 4 : Click build now.



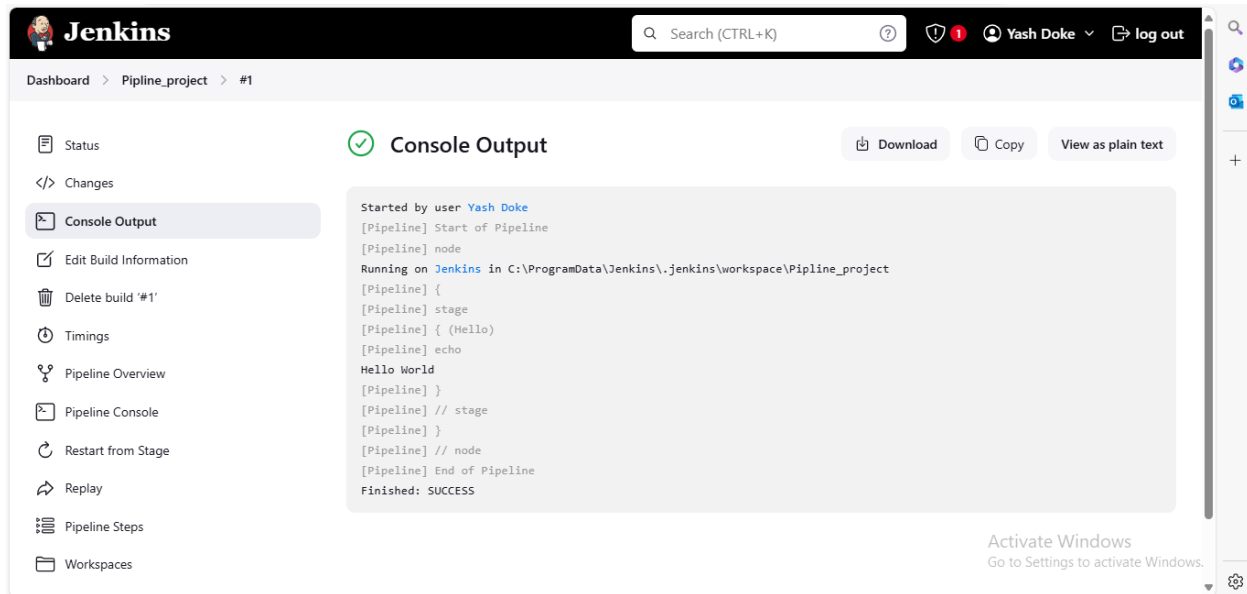
Step 5 : Build is successful.



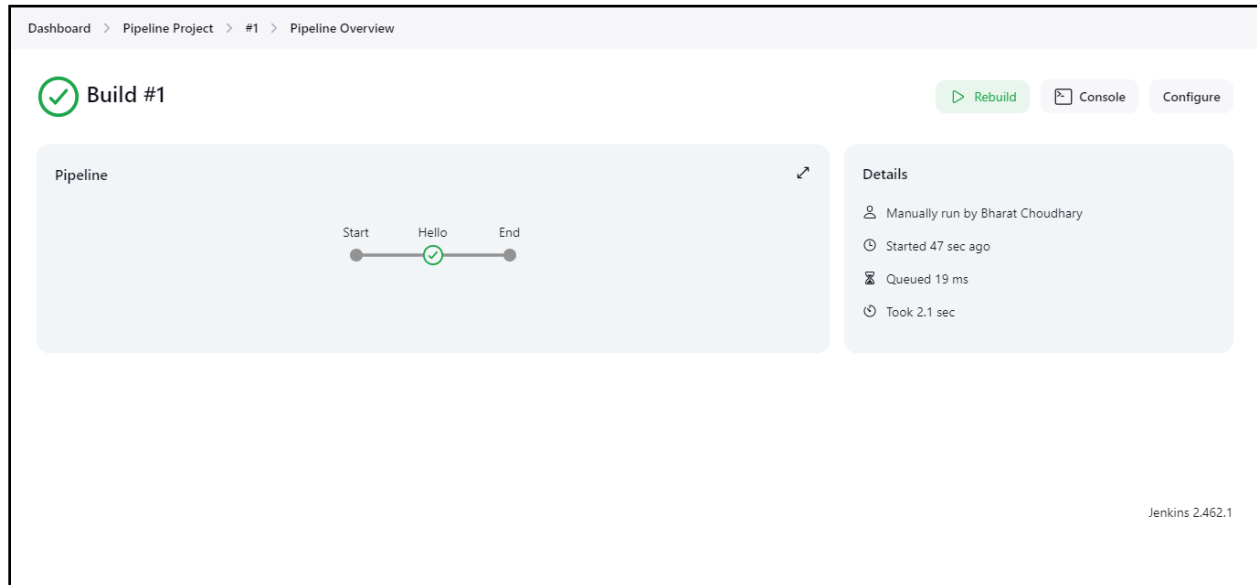
Step 6 : Click console output.



Step 7 : Console output is visible.

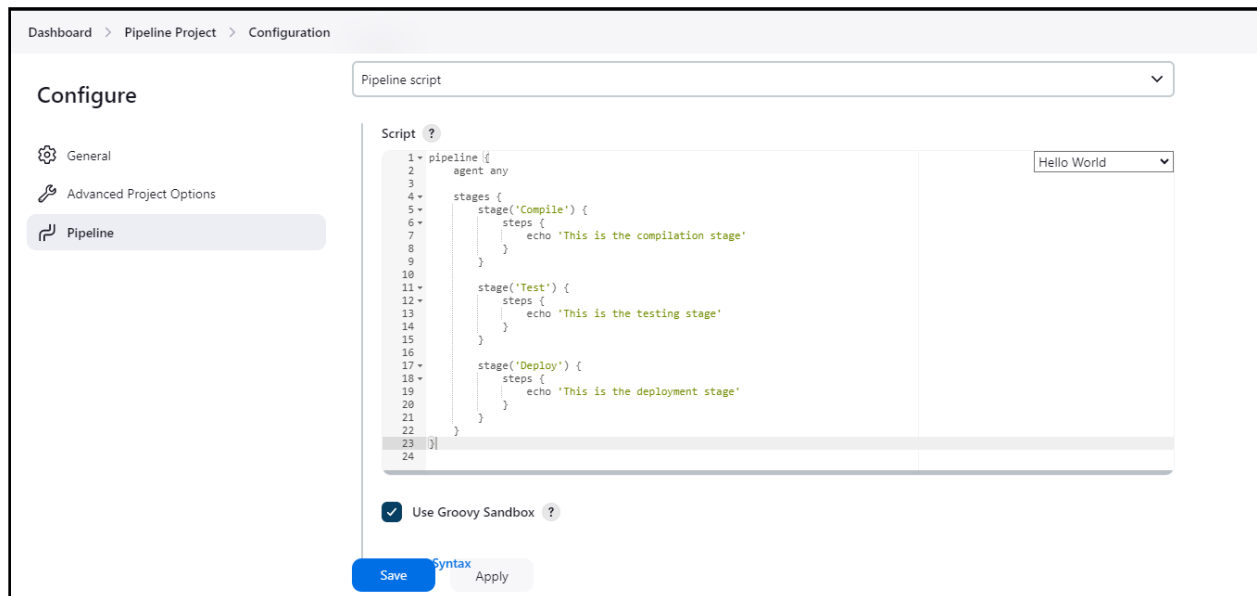


Step 8 : Pipeline overview.



The screenshot shows the Jenkins Pipeline Overview page for 'Build #1'. The breadcrumb navigation at the top reads 'Dashboard > Pipeline Project > #1 > Pipeline Overview'. On the left, a green checkmark icon is next to 'Build #1'. To the right are buttons for 'Rebuild' (green), 'Console' (with a terminal icon), and 'Configure'. Below this is a 'Pipeline' section with a diagram showing a sequence of steps: 'Start' (grey dot), 'Hello' (green dot with a checkmark), and 'End' (grey dot). To the right of the diagram is a 'Details' section with the following information: 'Manually run by Bharat Choudhary', 'Started 47 sec ago', 'Queued 19 ms', and 'Took 2.1 sec'. The Jenkins version 'Jenkins 2.462.1' is displayed in the bottom right corner.

Step 9 : Write a new script with compile, test, and deploy stages.

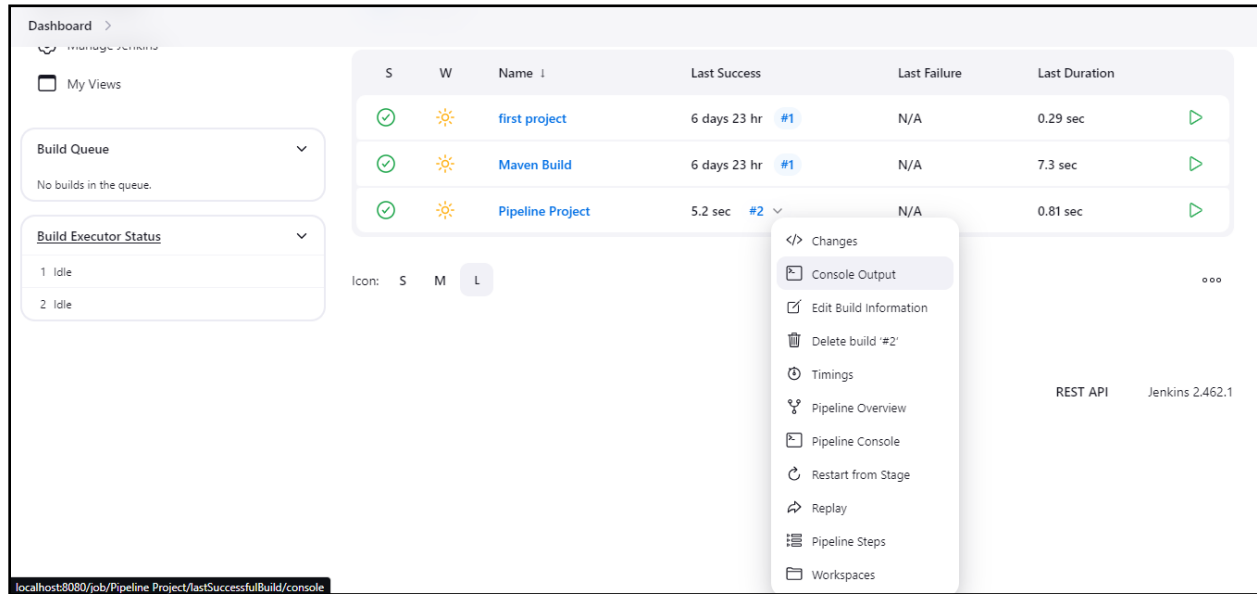


The screenshot shows the Jenkins Pipeline Configuration page. The breadcrumb navigation at the top reads 'Dashboard > Pipeline Project > Configuration'. On the left, under the 'Configure' heading, there are three tabs: 'General', 'Advanced Project Options', and 'Pipeline' (which is selected). The main area is titled 'Pipeline script' and contains a 'Script' section with a text editor. The script is written in Groovy and defines a pipeline with three stages: 'Compile', 'Test', and 'Deploy'. Each stage has a single step that echoes a message. The script is as follows:

```
1 pipeline {  
2   agent any  
3  
4   stages {  
5     stage('Compile') {  
6       steps {  
7         echo 'This is the compilation stage'  
8       }  
9     }  
10  
11    stage('Test') {  
12      steps {  
13        echo 'This is the testing stage'  
14      }  
15    }  
16  
17    stage('Deploy') {  
18      steps {  
19        echo 'This is the deployment stage'  
20      }  
21    }  
22  }  
23 }  
24
```

Below the script editor, there is a checkbox labeled 'Use Groovy Sandbox' which is checked. At the bottom, there are three buttons: 'Save' (blue), 'Syntax' (light blue), and 'Apply' (light blue). A dropdown menu on the right side of the script editor shows 'Hello World'.

Step 10 : Check console output again.

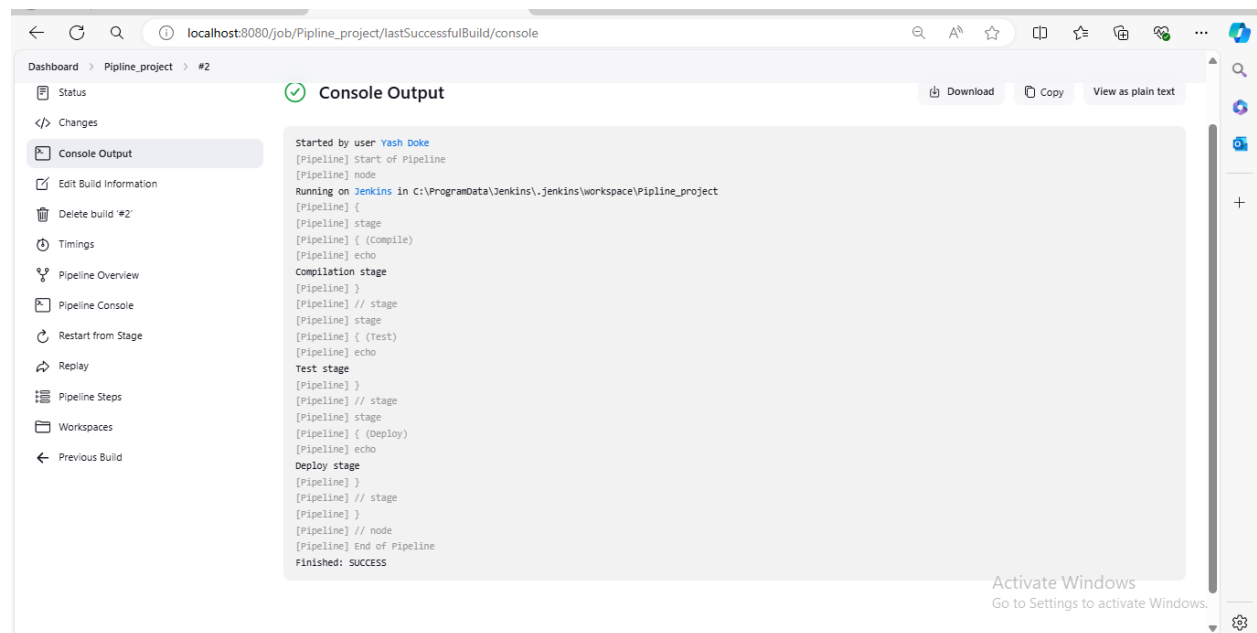


The screenshot shows the Jenkins Dashboard. On the left, there's a sidebar with 'My Views', 'Build Queue' (No builds in the queue), and 'Build Executor Status' (2 Idle). The main area displays a table of builds:

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	first project	6 days 23 hr #1	N/A	0.29 sec
✓	☀	Maven Build	6 days 23 hr #1	N/A	7.3 sec
✓	☀	Pipeline Project	5.2 sec #2	N/A	0.81 sec

A dropdown menu is open for the 'Pipeline Project' build, showing options: Changes, Console Output, Edit Build Information, Delete build '#2', Timings, Pipeline Overview, Pipeline Console, Restart from Stage, Replay, Pipeline Steps, and Workspaces. The 'Console Output' option is highlighted. At the bottom, the URL 'localhost:8080/job/Pipeline Project/lastSuccessfulBuild/console' is visible.

Step 11 : Console output is visible.

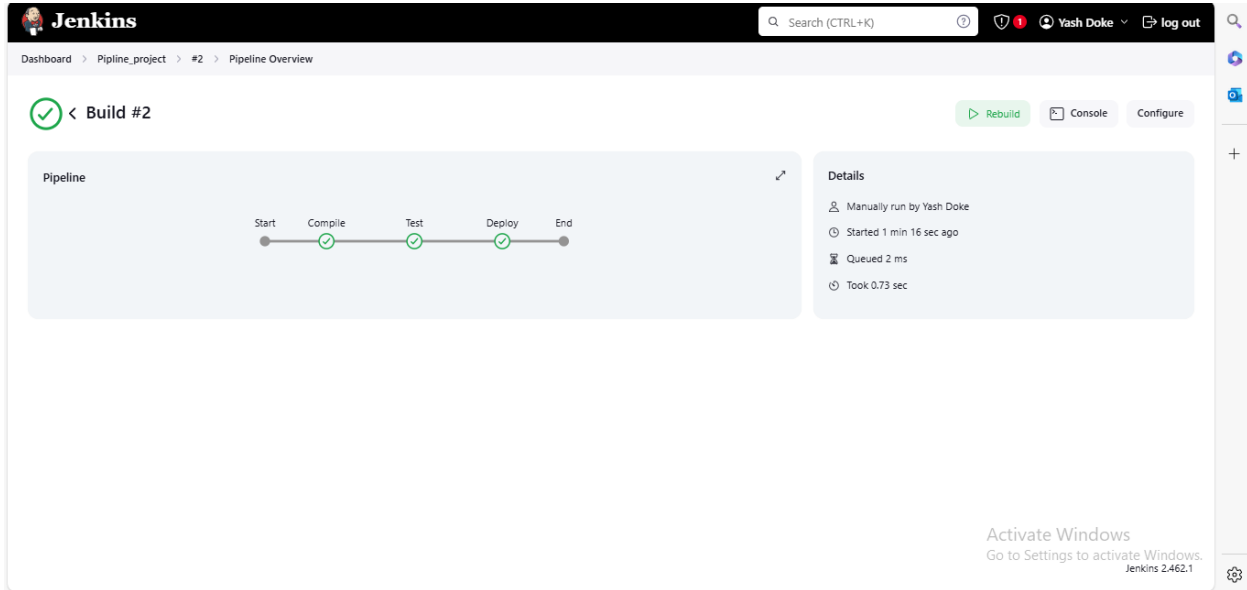


The screenshot shows the Jenkins Console Output for the 'Pipeline Project' build #2. The console output is as follows:

```
Started by user Yash Dake
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\jenkins\workspace\Pipeline_project
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Compile)
[Pipeline] echo
Compilation stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
Test stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy)
[Pipeline] echo
Deploy stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

The console output is displayed in a light gray box with a dark gray border. The left sidebar shows the 'Console Output' option selected. The right sidebar shows 'Download', 'Copy', and 'View as plain text' options. The bottom of the screen shows the 'Activate Windows' watermark.

Step 12 : Pipeline overview.



The screenshot shows the Jenkins Pipeline Overview for Build #2. The pipeline is successful, indicated by a green checkmark. The pipeline consists of five stages: Start, Compile, Test, Deploy, and End. The Compile, Test, and Deploy stages are marked with green checkmarks, indicating they passed. The Details panel on the right shows the build was manually run by Yash Doke, started 1 min 16 sec ago, queued 2 ms, and took 0.73 sec.

Jenkins Search (CTRL+K) Yash Doke log out

Dashboard > Pipeline_project > #2 > Pipeline Overview

< Build #2 Rebuild Console Configure

Pipeline

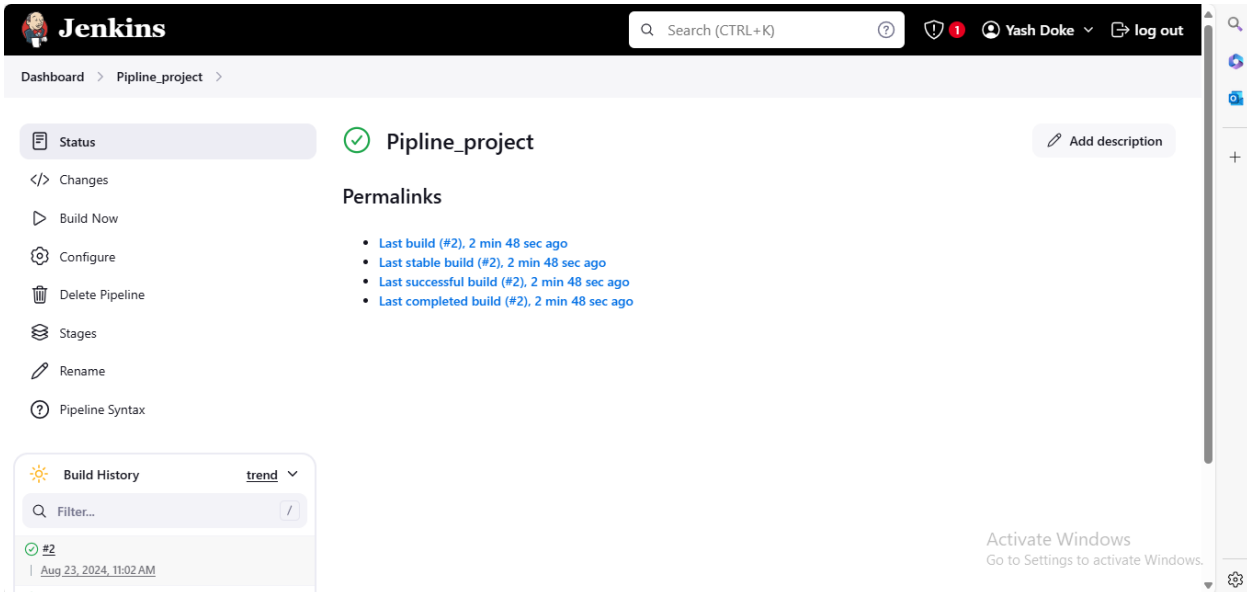
Start Compile Test Deploy End

Details

- Manually run by Yash Doke
- Started 1 min 16 sec ago
- Queued 2 ms
- Took 0.73 sec

Activate Windows
Go to Settings to activate Windows.
Jenkins 2.462.1

Step 13 : Stages can be seen.



The screenshot shows the Jenkins Pipeline Project Overview for Pipeline_project. The project is successful, indicated by a green checkmark. The left sidebar shows various actions: Status, Changes, Build Now, Configure, Delete Pipeline, Stages, Rename, and Pipeline Syntax. The main content area shows the project name and a list of permalinks for the last build, last stable build, last successful build, and last completed build. The Build History panel at the bottom shows the build history for the project.

Jenkins Search (CTRL+K) Yash Doke log out

Dashboard > Pipeline_project >

Status Pipeline_project Add description

Changes Build Now Configure Delete Pipeline Stages Rename Pipeline Syntax

Permalinks

- Last build (#2), 2 min 48 sec ago
- Last stable build (#2), 2 min 48 sec ago
- Last successful build (#2), 2 min 48 sec ago
- Last completed build (#2), 2 min 48 sec ago

Build History trend

Filter...

#2
Aug 23, 2024, 11:02 AM

Activate Windows
Go to Settings to activate Windows.