ASSIGNMENT 1

Installation of Nginx.

Task Description:

This task involves creating a Jenkins Freestyle job that automates the installation of Nginx onan Ubuntu server using the command sudo apt-get install -y nginx. This automation ensures consistent server setup and can be easily repeated, making it ideal for automated environments.

Steps:

1. Update Package List:

* Run the following command to update the package list:

* sudo apt update

2. Install Nginx:

* Install Nginx using the following command:

* sudo apt-get install -y nginx

3. Verify Installation:

* Check if Nginx is running with the command:

* systemctl status nginx

4. Create Jenkins Freestyle Job:

* In Jenkins, click New Item and create a Freestyle project (e.g., Install_Nginx).

5. Configure Job:

* Add a build step of type Execute shell.

* In the Windows command box

Echo “Hello Jenkins”

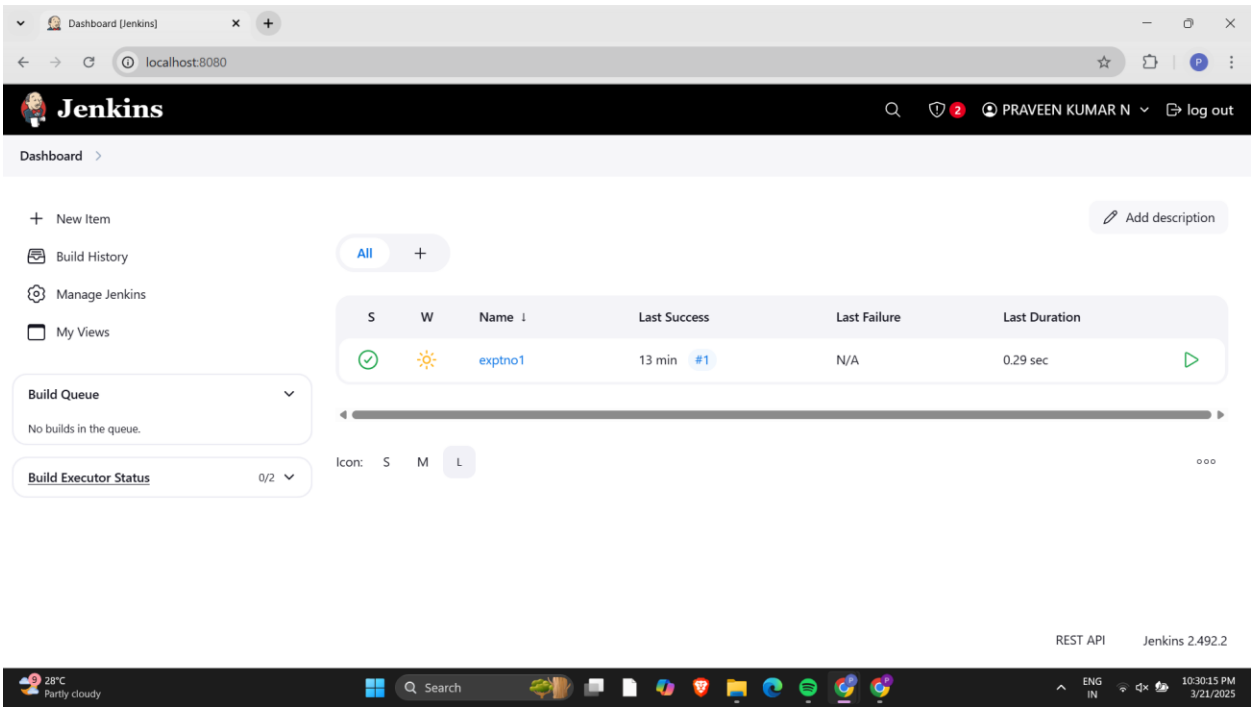
6. Save and Run Job:

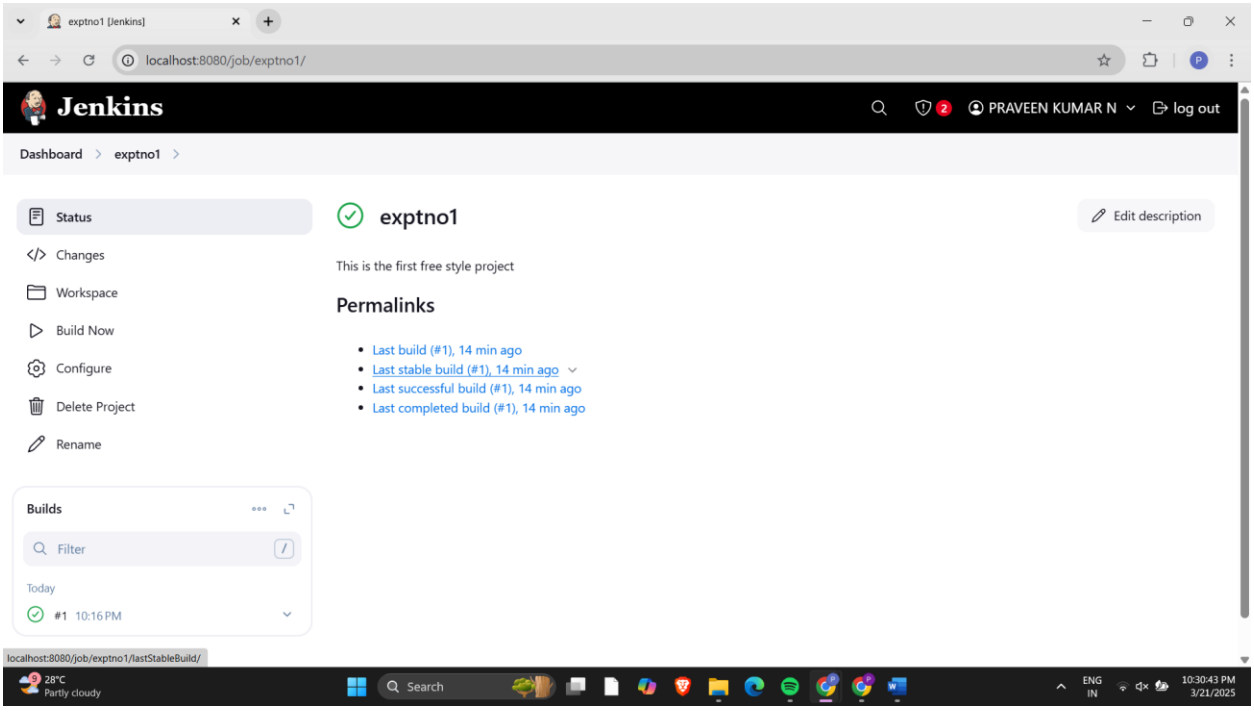
* Save the job and click Build Now to run it.

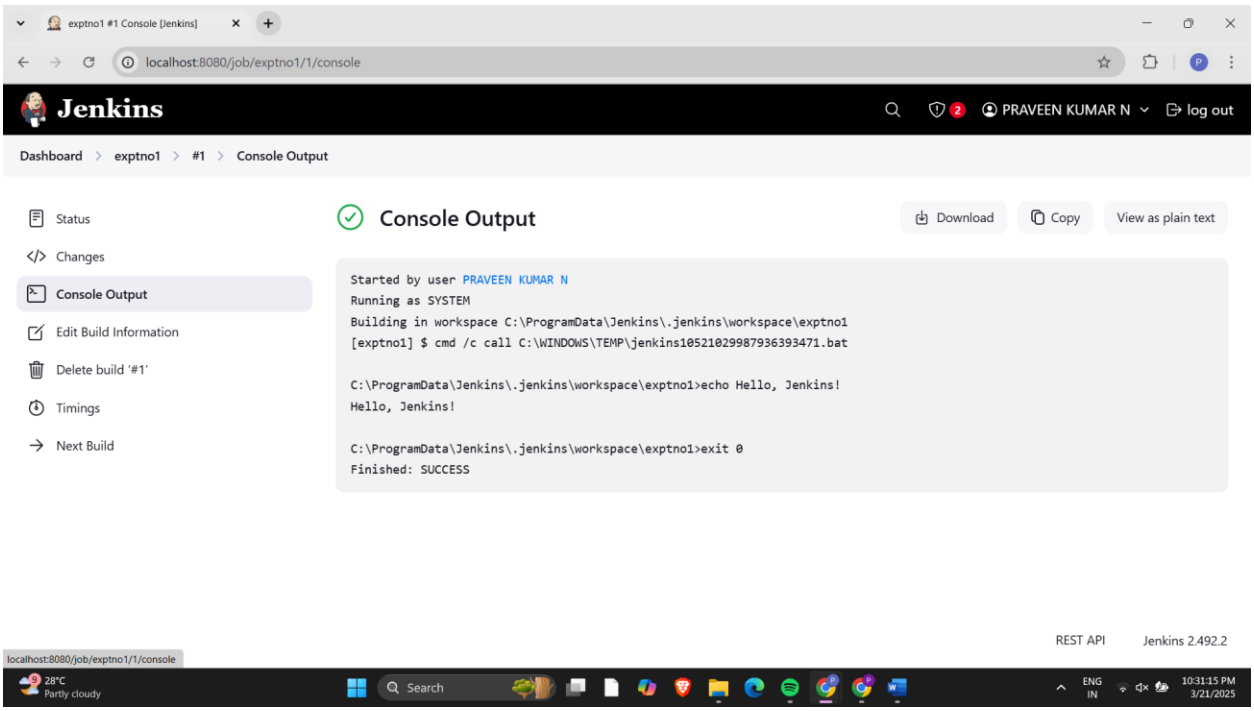
7. Check Console Output:

* After the job completes, view the Console Output to confirm the successful

installation of Nginx.


Dashboard [Jenkins]
localhost:8080
Jenkins
PRAVEEN KUMAR N
log out
Dashboard
New Item
Build History
Manage Jenkins
My Views
Build Queue
No builds in the queue.
Build Executor Status 0/2
Add description
All
S
W
Name
Last Success
Last Failure
Last Duration
exptno1
13 min #1
N/A
0.29 sec
Icon: S M L
REST API
Jenkins 2.492.2
28°C
Partly cloudy
Search
ENG
IN
10:30:15 PM
3/21/2025


exptno1 [Jenkins]
localhost:8080/job/exptno1/
Jenkins
PRAVEEN KUMAR N
log out
Dashboard
exptno1
Status
Changes
Workspace
Build Now
Configure
Delete Project
Rename
Builds
Filter
Today
#1 10:16 PM
exptno1
Edit description
This is the first free style project
Permalinks
Last build (#1), 14 min ago
Last stable build (#1), 14 min ago
Last successful build (#1), 14 min ago
Last completed build (#1), 14 min ago
localhost:8080/job/exptno1/lastStableBuild/
28°C
Partly cloudy
Search
ENG
IN
10:30:43 PM
3/21/2025


exptno1 #1 Console [Jenkins]
localhost:8080/job/exptno1/1/console
Jenkins
PRAVEEN KUMAR N
log out
Dashboard > exptno1 > #1 > Console Output
Status
Changes
Console Output
Edit Build Information
Delete build '#1'
Timings
Next Build
Console Output
Download
Copy
View as plain text
Started by user PRAVEEN KUMAR N
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\exptno1
[exptno1] $ cmd /c call C:\WINDOWS\TEMP\jenkins10521029987936393471.bat
C:\ProgramData\Jenkins\.jenkins\workspace\exptno1>echo Hello, Jenkins!
Hello, Jenkins!
C:\ProgramData\Jenkins\.jenkins\workspace\exptno1>exit 0
Finished: SUCCESS
REST API
Jenkins 2.492.2
localhost:8080/job/exptno1/1/console
28°C
Partly cloudy
Search
ENG
IN
10:31:15 PM
3/21/2025