

Day : - 7/15/24

## ASSIGNMENT – 3

### CONFIGURE EMAIL IN JENKINS

**STEP 1 :** After installation of Jenkins . we have to enter username and password and sign in

#### Sign in to Jenkins

Username

sushma

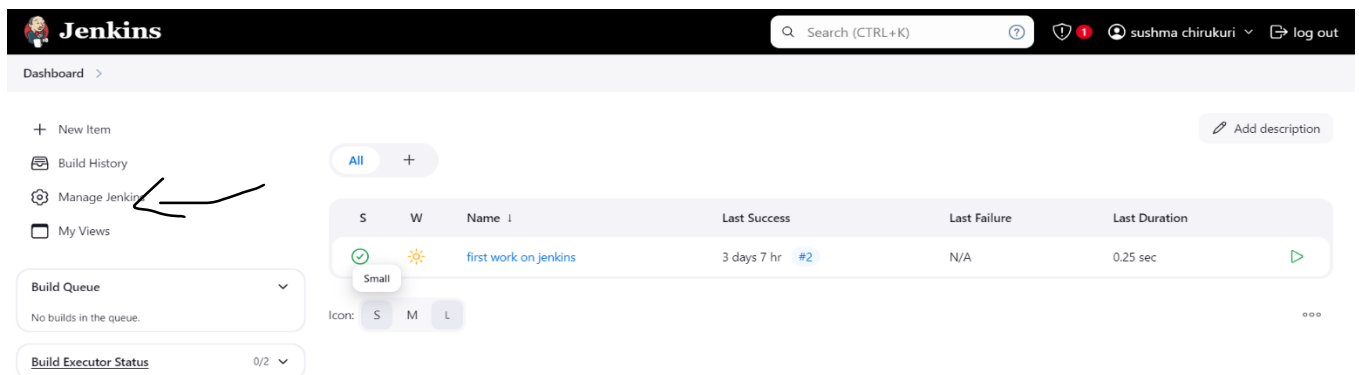
Password

.....

☐ Keep me signed in

Sign in

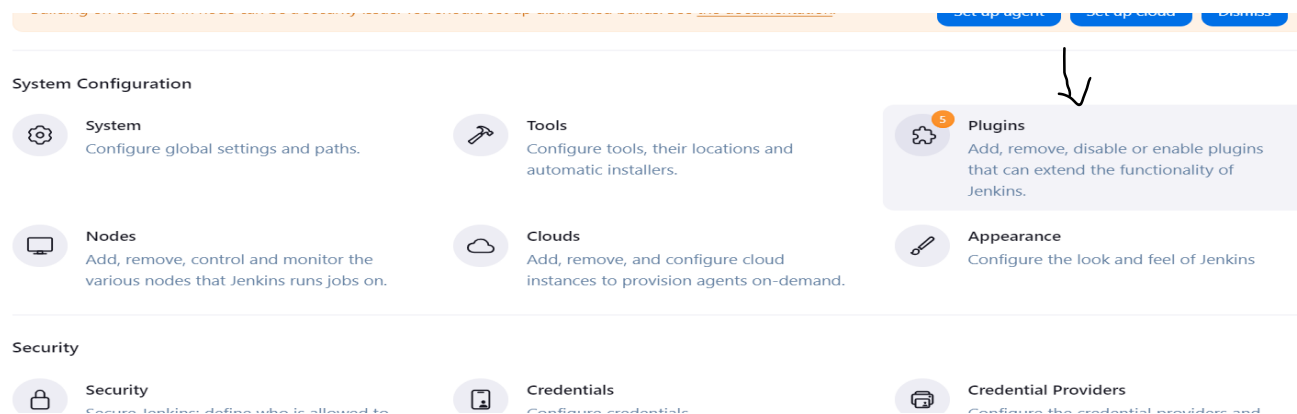
Step 2 : - it will open Jenkins page as shown below .



The screenshot shows the Jenkins Dashboard. At the top, there's a header with the Jenkins logo, a search bar, and user information (sushma chirukuri) with a log out button. Below the header, the main content area is divided into sections. On the left, there's a sidebar with 'New Item', 'Build History', 'Manage Jenkins' (highlighted with a red arrow), and 'My Views'. The main area shows a table of builds. The first build is 'first work on jenkins' with a status of 'Success' (green checkmark), a duration of '0.25 sec', and a last success time of '3 days 7 hr'. Below the table, there's a 'Build Queue' section showing 'No builds in the queue.' and a 'Build Executor Status' section showing '0/2'.

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	first work on jenkins	3 days 7 hr #2	N/A	0.25 sec

Step 3 :- first we have to install email plugin we have to go for manage plugins and click on plugins .



The screenshot shows the 'Manage Jenkins' page. At the top, there's a 'Setup plugins' button. Below it, the 'System Configuration' section is visible, containing 'System', 'Tools', 'Nodes', 'Clouds', and 'Appearance'. The 'Plugins' section is highlighted with a red arrow, showing a list of installed and available plugins. Below the 'System Configuration' section, the 'Security' section is visible, containing 'Security', 'Credentials', and 'Credential Providers'.

Step 4 :- And click on Available Plugins and search for Email extension template download it .

ste

The screenshot shows the Jenkins 'Manage Jenkins > Plugins' page. The breadcrumb navigation is 'Dashboard > Manage Jenkins > Plugins', with an arrow pointing to 'Manage Jenkins'. On the left sidebar, there are links for 'Updates' (with a badge '5'), 'Available plugins', 'Installed plugins', and 'Advanced settings'. The main area has a search bar with 'email' entered, an 'Install' button, and a refresh icon. Below the search bar is a table of plugins:

Install	Name ↓	Released
<input type="checkbox"/>	<b>build user vars</b> 166.v52976843b_435 Build Parameters RunConditions for use by the Run Condition plugin Authentication and User Management email This plugin is used to set user build variables: jenkins user name and id.	2 mo 26 days ago
<input type="checkbox"/>	<b>Email Extension Template</b> 1.5 Build Notifiers emailtext This plugin allows administrators to create global templates for the Extended Email Publisher. <div>This plugin is up for adoption! We are looking for new maintainers. Visit our <a href="#">Adopt a Plugin</a> initiative for more information.</div>	1 yr 9 mo ago

step 5 :- and download in progress and completed and it we get success . as shown below

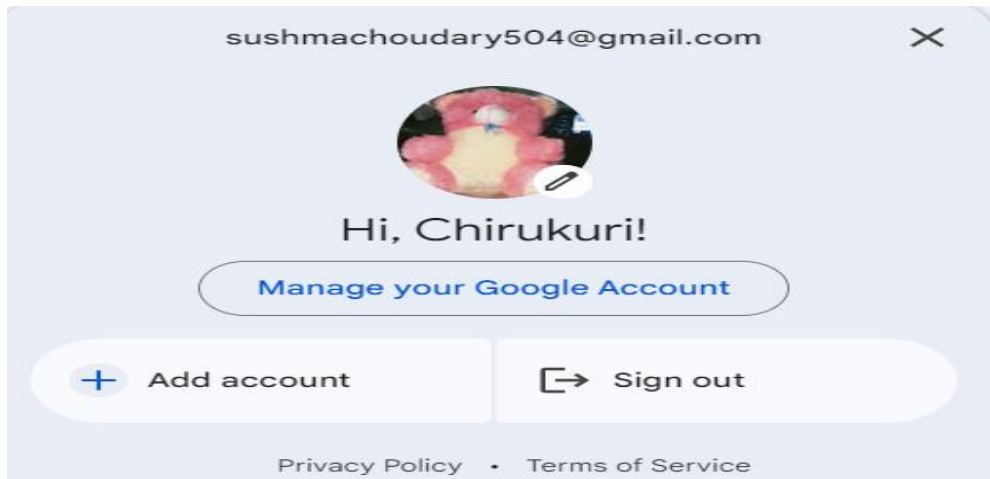
The screenshot shows the 'Download progress' page in Jenkins. The left sidebar has links for 'Plugins', 'Updates' (with a badge '5'), 'Available plugins', 'Installed plugins', 'Advanced settings', and 'Download progress' (which is highlighted). The main area is titled 'Download progress' and shows the following steps:

- Preparation
  - Checking internet connectivity
  - Checking update center connectivity
  - Success
- Email Extension Template ✓ Success
- Loading plugin extensions ✓ Success

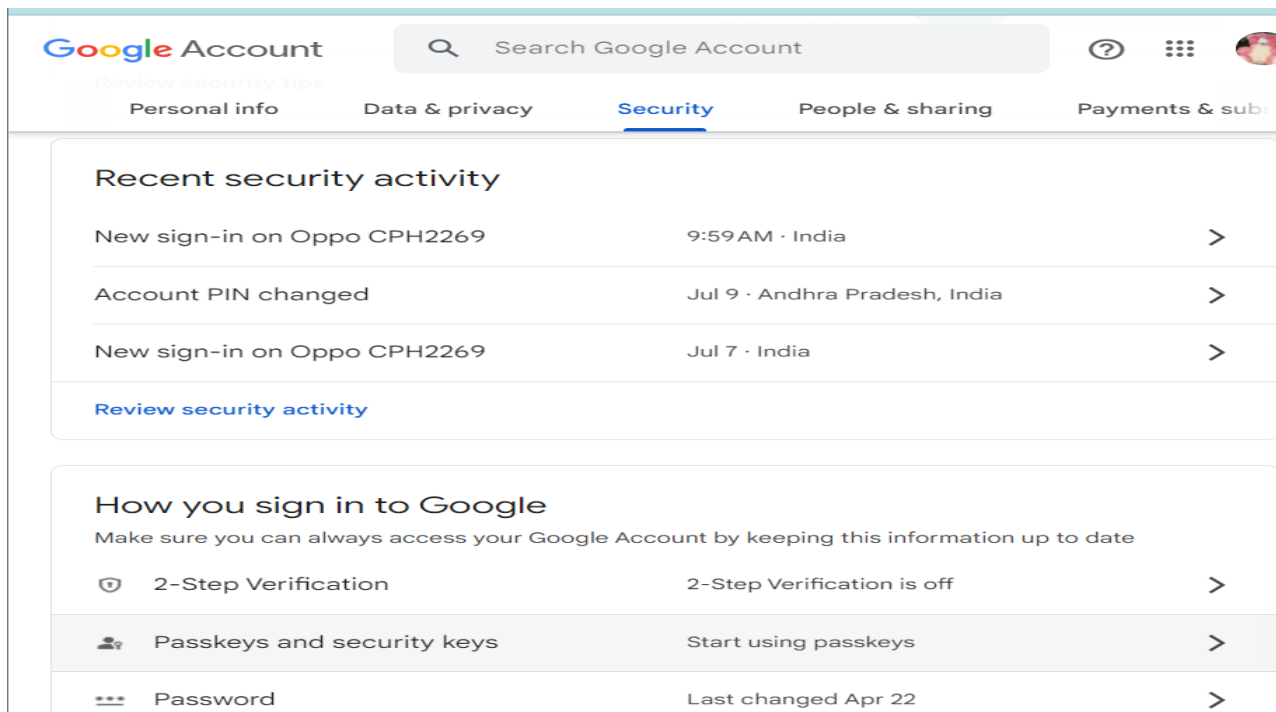
At the bottom, there are two links:

- [Go back to the top page](#)  
(you can start using the installed plugins right away)
- ☐ Restart Jenkins when installation is complete and no jobs are running

Step 6 :- once the configurations changes are done once email is added, whatever we are going to configure email we have to do 2 step verification .



Step 7 :- go to manage you google account and open security for 2 step verification



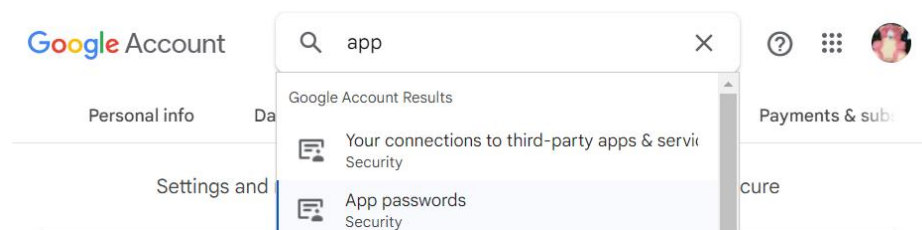
Step 8 : - and we have to enter password and click on next .



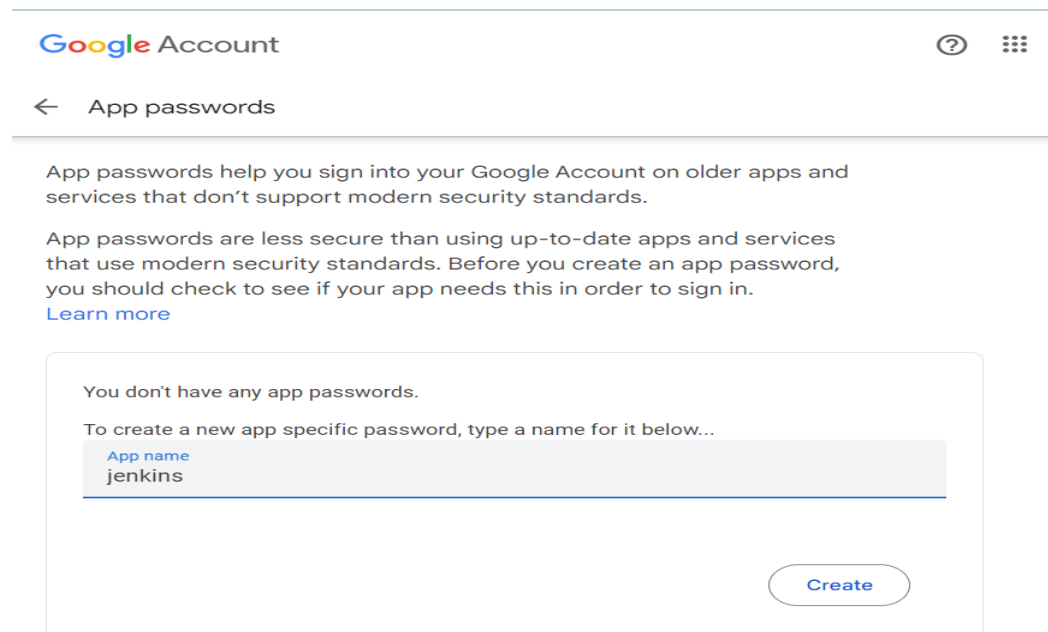
Step 9 :- and click on 2 step verification and login with password .



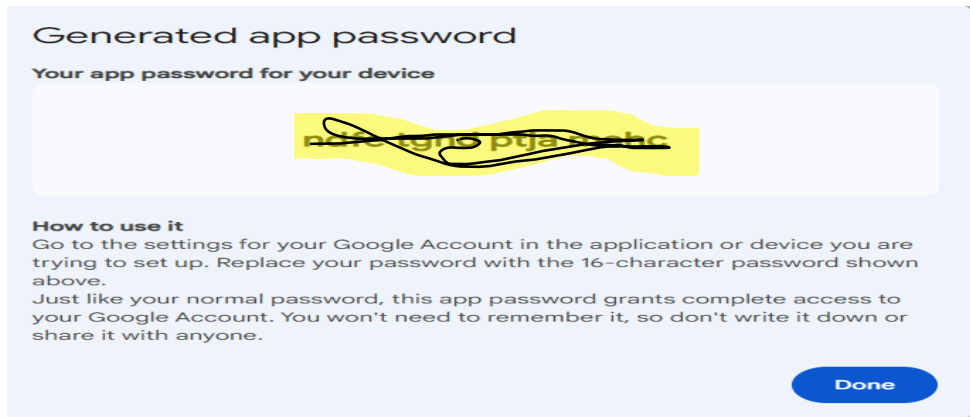
Step 10 :- after creating 2 step verification and we have to do create app passwords search and click .  
On app passwords .



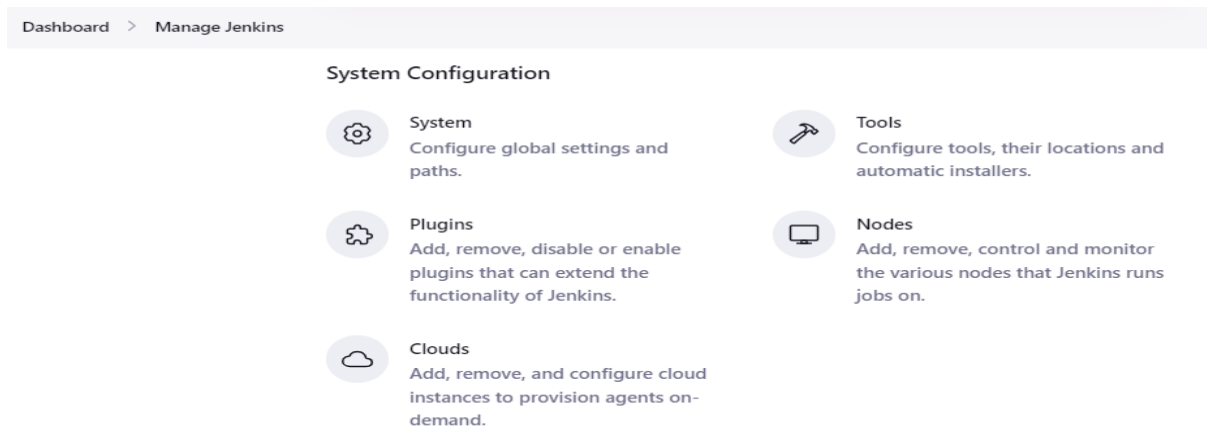
Step 11 : - we have to write app name jenkins and click on create



Step 12 : - after click on create we get a password and copy that password and store in sticky notes and some other place ..



Step 13 :- next back to jenkins and open manage jenkins and select configure system



Step 14 :- and scroll down choose email notification and SMTP server as smtp.gmail.com and select advance username as email id and password as app generator password as we choose in previous one and select SSL . SMTP port number as 465 and reply to address as any email ID and click on Test configuration and enter our emailID and click on test configuration . if it was successful we will get an email ..

### E-mail Notification

SMTP server

Default user e-mail suffix ?

Advanced ^ Edited

☒ Use SMTP Authentication ?

User Name

Password

Concealed

Change Password

☒ Use SSL ?☐ Use TLS

SMTP Port ?

Reply-To Address

Password

Concealed

Change Password

☒ Use SSL ?☐ Use TLS

SMTP Port ?

Reply-To Address

Charset

☒ Test configuration by sending test e-mail

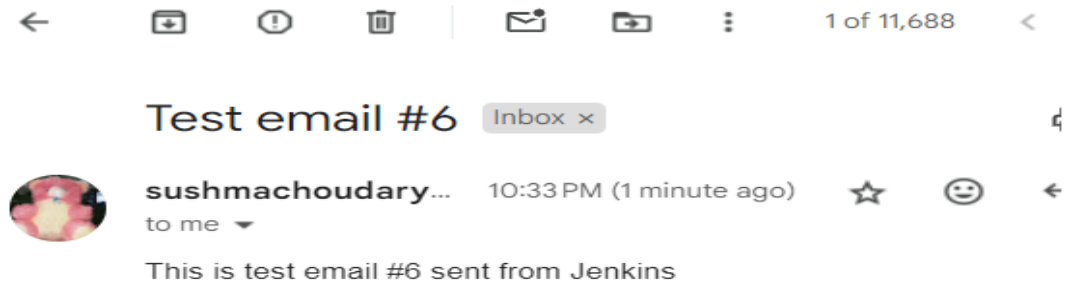
Test e-mail recipient

Email was successfully sent

Test configuration

Save

Apply



Step 15 : - Back to scroll up and check extended email Notification same SMTP as smtp.gmail.com and port as 465 and select Advance on credential click on add and enter username as our email ID and password as App generator key and ID as any name we can mention and click on add and click on SSH and click apply and save ....

Extended E-mail Notification

SMTP server

smtp.gmail.com

SMTP Port

465

Advanced ^ Edited

Credentials

- none -

+ Add

☒ Use SSL

☐ Use TLS

☐ Use OAuth 2.0

Advanced Email Properties

Save Apply

**Jenkins Credentials Provider: Jenkins**

Global credentials (unrestricted) ▼

Kind

Username with password ▼

Scope ?

Global (Jenkins, nodes, items, all child items, etc) ▼

Username ?

sushmachoudary504@gmail.com

☐ Treat username as secret ?

Password ?

.....

ID ?

Credentials

Description ?

Credentials

Cancel Add

Step 16 :- in configure system select triggers and select Always , Failure any , Success

☐ Enable Debug Mode ?

☐ Require Administrator for Template Testing ?

☐ Enable watching for jobs ?

☐ Allow sending to unregistered users ?

Default Triggers ^

Default Triggers ?

☐ Aborted

☒ Always

☐ Before Build

☐ Failure - 1st

☐ Failure - 2nd

☒ Failure - Any

☐ Failure - Still

☐ Failure - X

☐ Failure -> Unstable (Test Failures)

☐ Fixed

☐ Not Built

☐ Script - After Build

☐ Script - Before Build

☐ Status Changed

☒ Success

☐ Test Improvement

☐ Test Regression

☐ Unstable (Test Failures)

☐ Unstable (Test Failures) - 1st

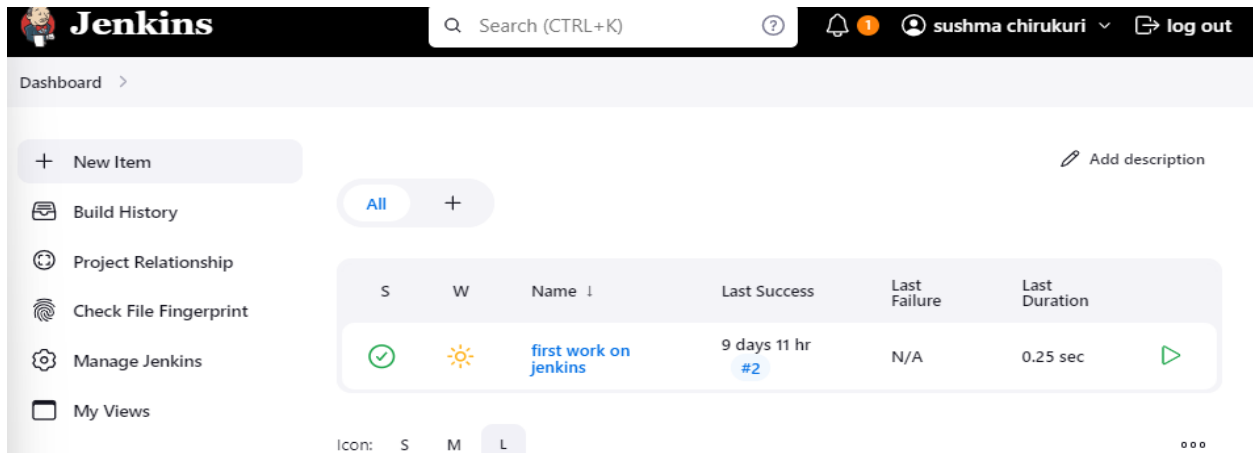
☐ Unstable (Test Failures) - Still

☐ Unstable (Test Failures)/Failure -> Success

Content Token Reference ?



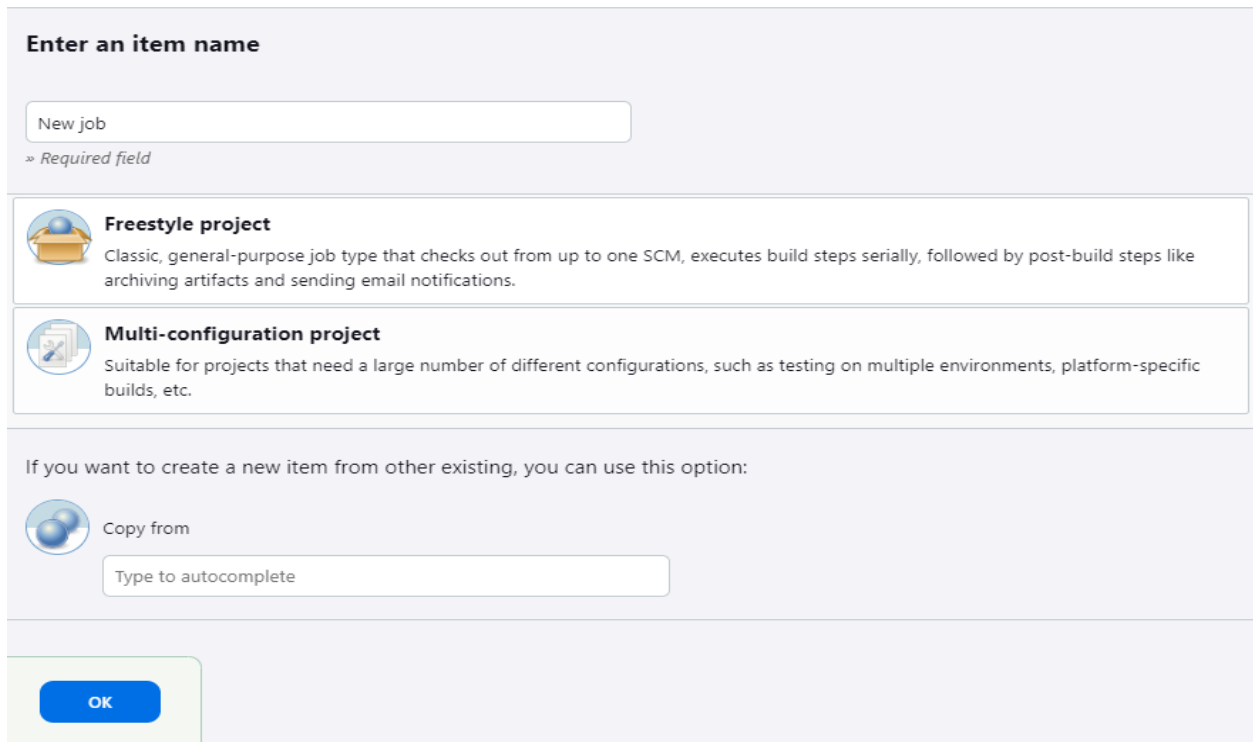
Step 17 : -- now we have create a new job and select new item .



The screenshot shows the Jenkins Dashboard. At the top, there's a header with the Jenkins logo, a search bar (CTRL+K), and user information (sushma chirukuri) with a log out button. Below the header, the 'Dashboard' link is active. On the left sidebar, 'New Item' is highlighted. The main area shows a table of existing jobs. The table has columns for status (S), warnings (W), name, last success, last failure, and last duration. One job is listed: 'first work on jenkins' with a success status, 9 days 11 hr #2 last success, and 0.25 sec duration. Below the table, there are tabs for 'Icon: S M L' and a menu icon (three dots).

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	first work on jenkins	9 days 11 hr #2	N/A	0.25 sec

Step 18 :- we have enter a new name to a job and select free style project and click ok .



The screenshot shows the 'Enter an item name' form in Jenkins. It has a text input field with 'New job' entered. Below the field is a note '» Required field'. There are two project type options: '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.) and 'Multi-configuration project' (Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.). Below these options, there's a section 'If you want to create a new item from other existing, you can use this option:' with a 'Copy from' icon and a text input field 'Type to autocomplete'. At the bottom, there is a blue 'OK' button.

Step 19 : scroll down and we have to select execute this we can add git bash to jenkins in environment variables windows batch command and enter and display the echo "Any message "

C:\Users\SUSHMA\AppData\Roaming\Python\Python311\Scripts	Edit text...
C:\Program Files\PuTTY\	
C:\Program Files\Git\cmd	
C:\Program Files\Java\jdk-21	
C:\Program Files\Git	
	OKCancel

Dashboard > New job > Configuration

Configure

General

Source Code Management

Build Triggers

Build Steps

Post-build Actions

Source Code Management

None

Build Triggers

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

☐ Build after other projects are built ?

☐ Build periodically ?

☐ Poll SCM ?

Build Steps

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

echo "Good morning"

Advanced ▾

Add build step ▾

Save

Apply

Step 20:- click on postBuild action and change project receipt list as email Id and remaning as default and apply and save

Dashboard > New job > Configuration

## Configure

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

**Project Recipient List** ?  
Comma-separated list of email address that should receive notifications for this project.

sushmachirukuri@gmail.com

**Project Reply-To List** ?  
Comma-separated list of email address that should be in the Reply-To header for this project.

\$DEFAULT\_REPLYTO

**Content Type** ?  
Default Content Type

**Default Subject** ?  
\$DEFAULT\_SUBJECT

**Default Content** ?  
\$DEFAULT\_CONTENT

**Attachments** ?  
Can use wildcards like 'module/dist/\*\*/\*.\*.zip'. See the [@includes of Ant fileset](#) for the exact format. The base directory is [the workspace](#).

**Attach Build Log** ?  
Do Not Attach Build Log

**Save** **Apply**

Step 21 :- click on build now if we get success we will get green mark . and click on green mark .

Dashboard > NEW -JOB >

**NEW -JOB**

Build Now

Permalinks

Build History trend

Filter...

#1 21 Jul 2024, 22:58

Atom feed for all Atom feed for failures

Step 22 :- It will open console output we get success as shown in figure

Console Output

```
Started by user sushma chirukuri
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\.jenkins\workspace\NEW -JOB
No emails were triggered.
[NEW -JOB] $ cmd /c call C:\WINDOWS\TEMP\jenkins6898251657658445151.bat

C:\ProgramData\Jenkins\.jenkins\workspace\NEW -JOB>echo "Good Morning"
"Good Morning"

C:\ProgramData\Jenkins\.jenkins\workspace\NEW -JOB>exit 0
Email was triggered for: Always
Email was triggered for: Success
Sending email for trigger: Always
Sending email to: sushmachoudary504@gmail.com
Not sent to the following valid addresses: sushmachoudary504@gmail.com
Sending email for trigger: Success
An attempt to send an e-mail to empty list of recipients, ignored.
Finished: SUCCESS
```