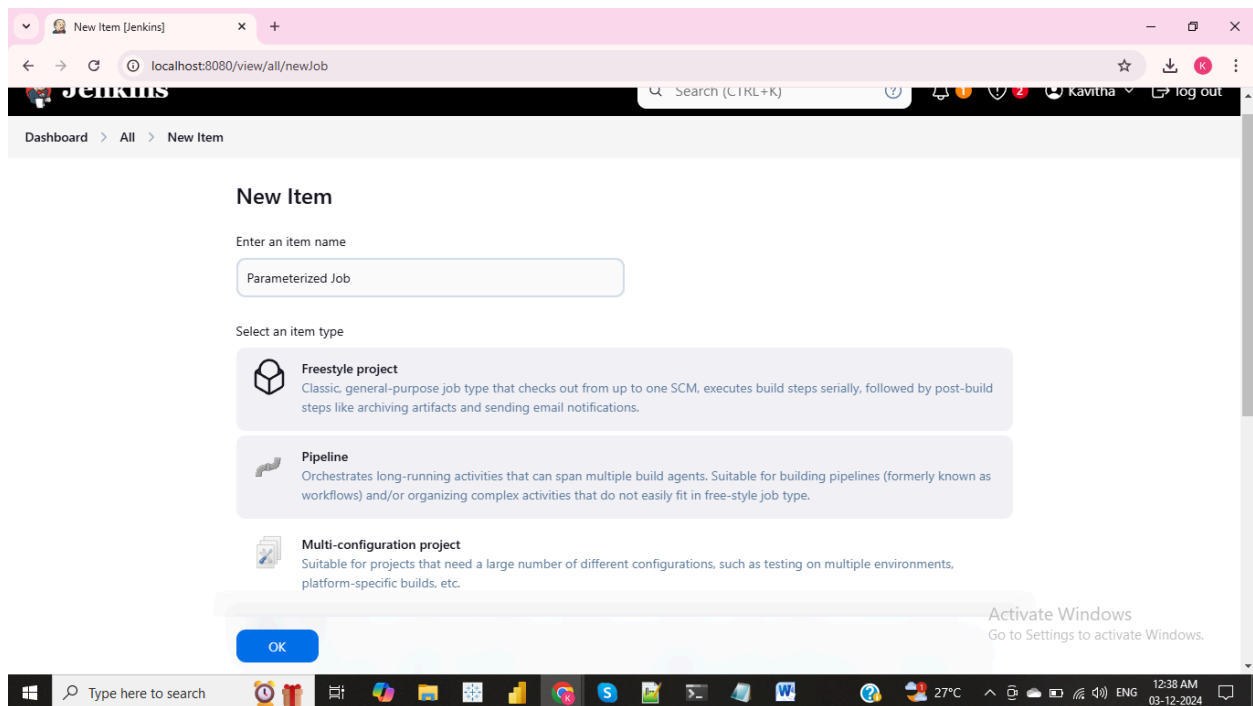


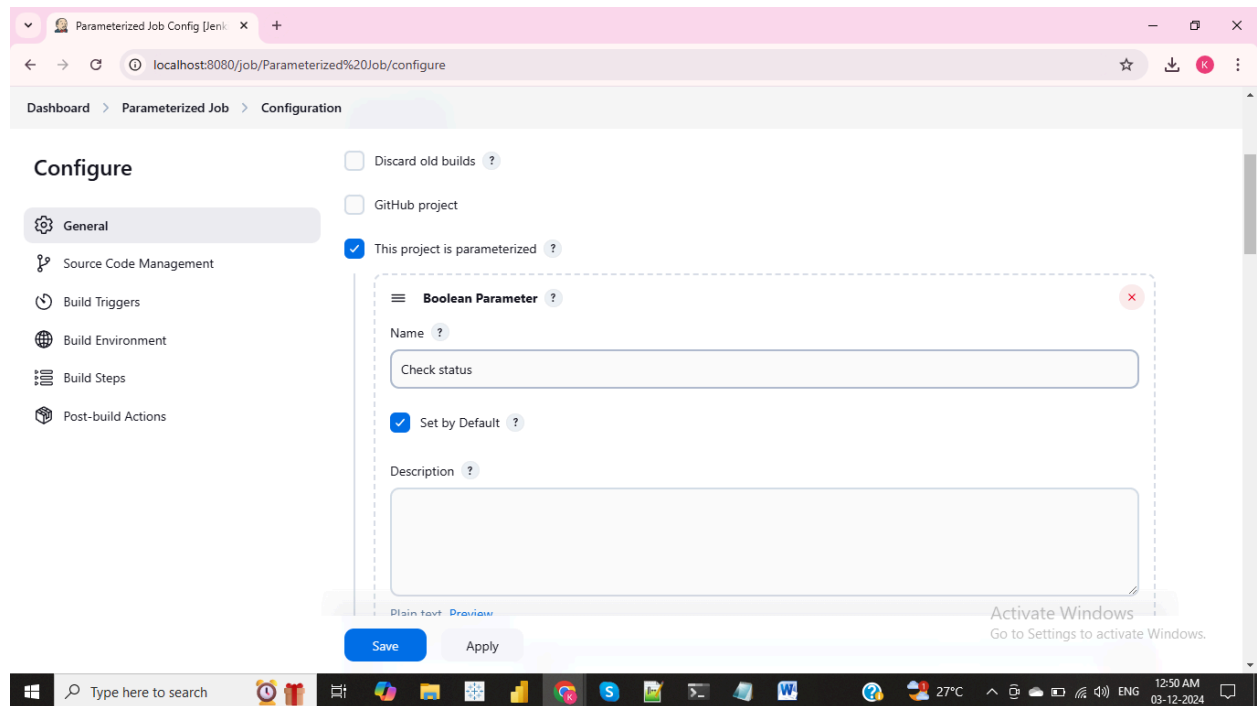
# PARAMETERIZED BUILD IN JENKINS

In Jenkins, parameters are used to customize the behavior of a Jenkins job or pipeline at runtime. They allow you to pass input values into the build process, enabling dynamic and flexible builds. Parameters can be defined for both Freestyle jobs and Pipeline jobs.

## Create a Freestyle project

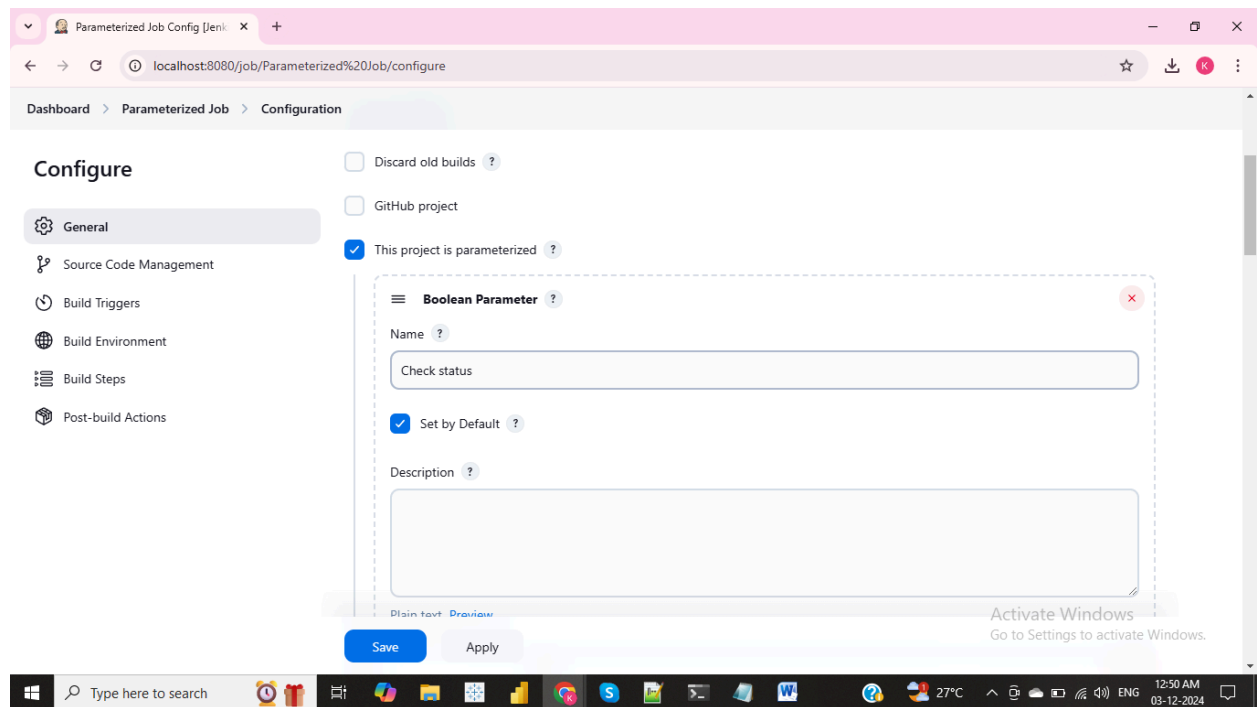


Go to Configure select This project is parameterized



Add parameters:

Boolean parameter



## Choice parameter

The screenshot shows the Jenkins Configuration page for a Parameterized Job. The left sidebar contains a 'Configure' section with a 'General' tab selected. The main content area displays the 'Choice Parameter' configuration. The 'Name' field is labeled 'Social media'. The 'Choices' field contains a list of social media options: 'Whats app', 'Instagram', 'Facebook', and 'Youtube'. The 'Description' field contains the text 'Please select the social media of your choice'. Below the configuration fields are 'Save' and 'Apply' buttons. The Windows taskbar at the bottom shows the system clock as 12:50 AM on 03-12-2024.

Parameterized Job Config [Jen] x +

localhost:8080/job/Parameterized%20Job/configure

Dashboard > Parameterized Job > Configuration

### Configure

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

#### Choice Parameter ?

Name ?

Social media

Choices ?

Whats app  
Instagram  
Facebook  
Youtube

Description ?

Please select the social media of your choice

Plain text [Preview](#)

[Save](#) [Apply](#)

Activate Windows  
Go to Settings to activate Windows.

Type here to search

27°C

12:50 AM  
03-12-2024

## File parameter

The screenshot shows the Jenkins Configuration page for a Parameterized Job. The left sidebar contains a 'Configure' section with a 'General' tab selected. The main content area displays the 'File Parameter' configuration. The 'File location' field is labeled 'Path'. The 'Description' field contains the text 'Please select file path'. Below the configuration fields are 'Save' and 'Apply' buttons. The Windows taskbar at the bottom shows the system clock as 12:50 AM on 03-12-2024.

Parameterized Job Config [Jen] x +

localhost:8080/job/Parameterized%20Job/configure

Dashboard > Parameterized Job > Configuration

### Configure

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

#### File Parameter ?

File location ?

Path

Description ?

Please select file path

Plain text [Preview](#)

[Add Parameter](#)

☐ Throttle builds ?

☐ Accept Zanata Webhook

[Save](#) [Apply](#)

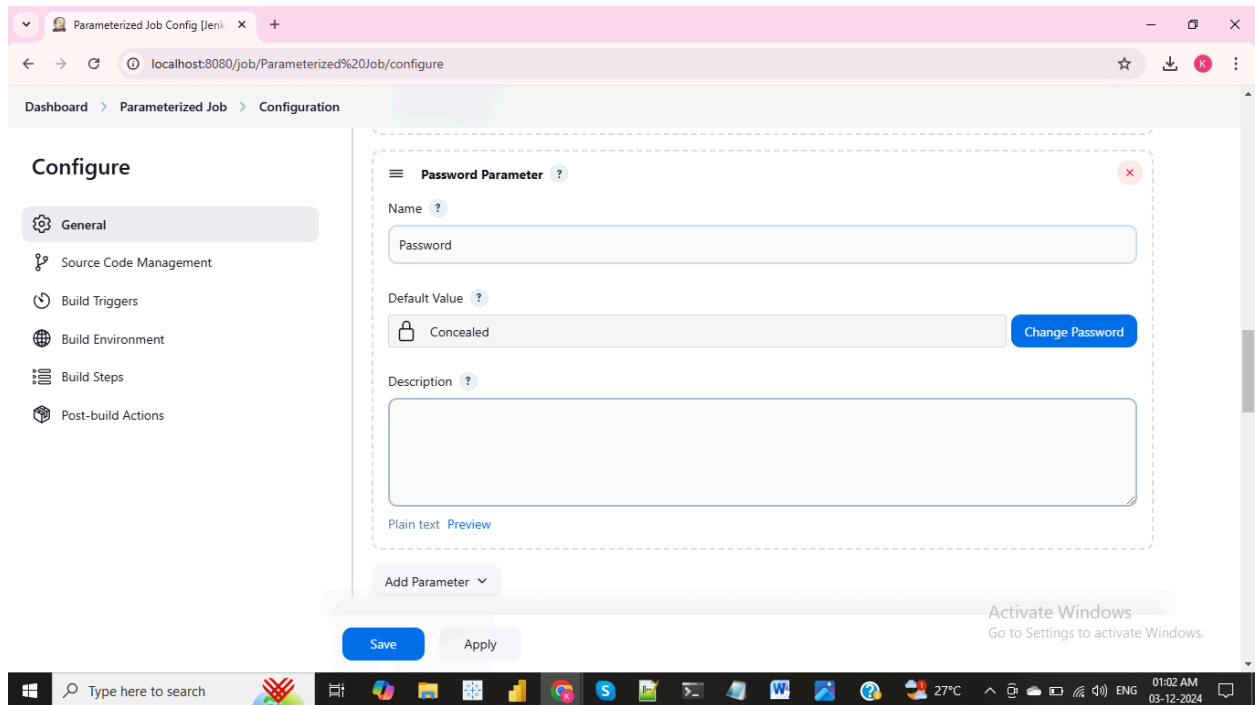
Activate Windows  
Go to Settings to activate Windows.

Type here to search

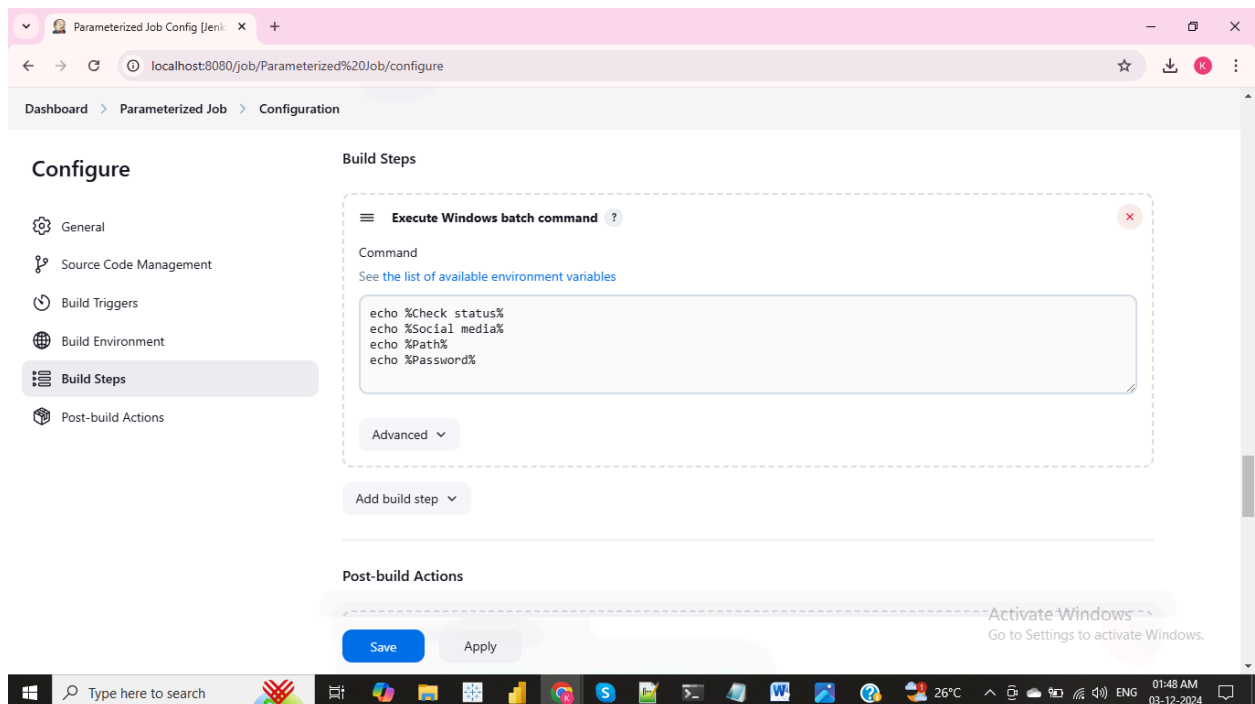
27°C

12:50 AM  
03-12-2024

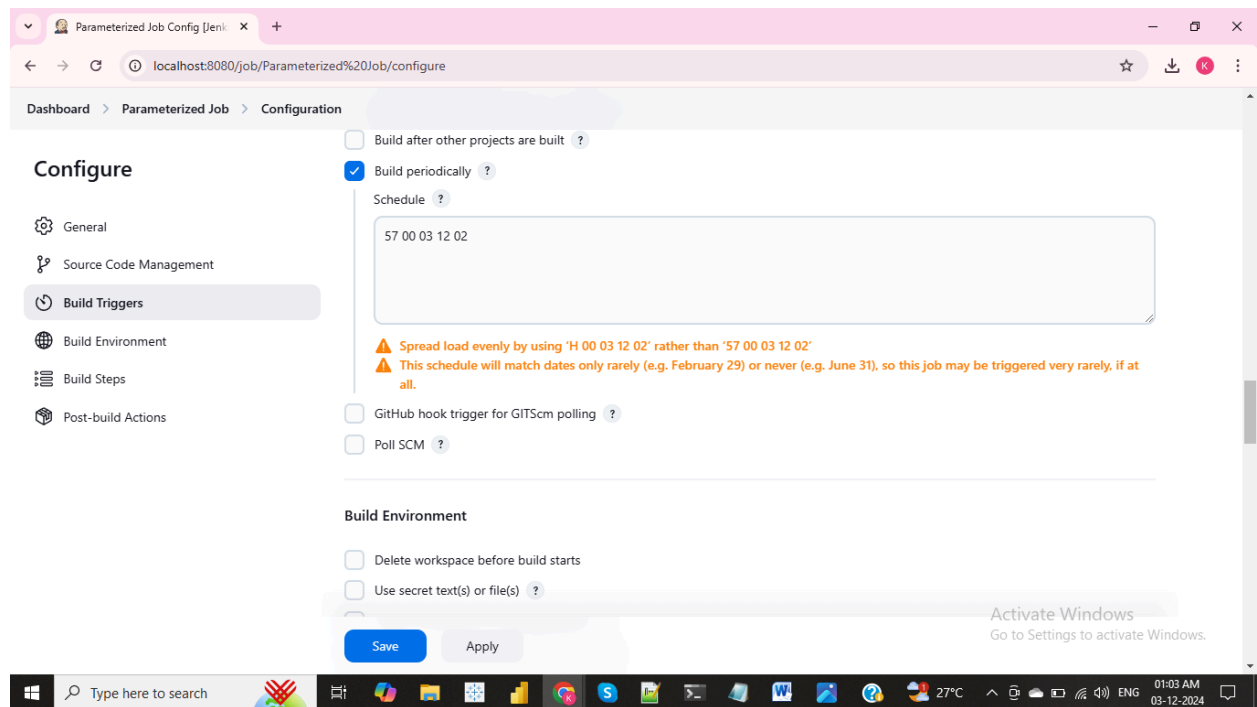
# Password parameter



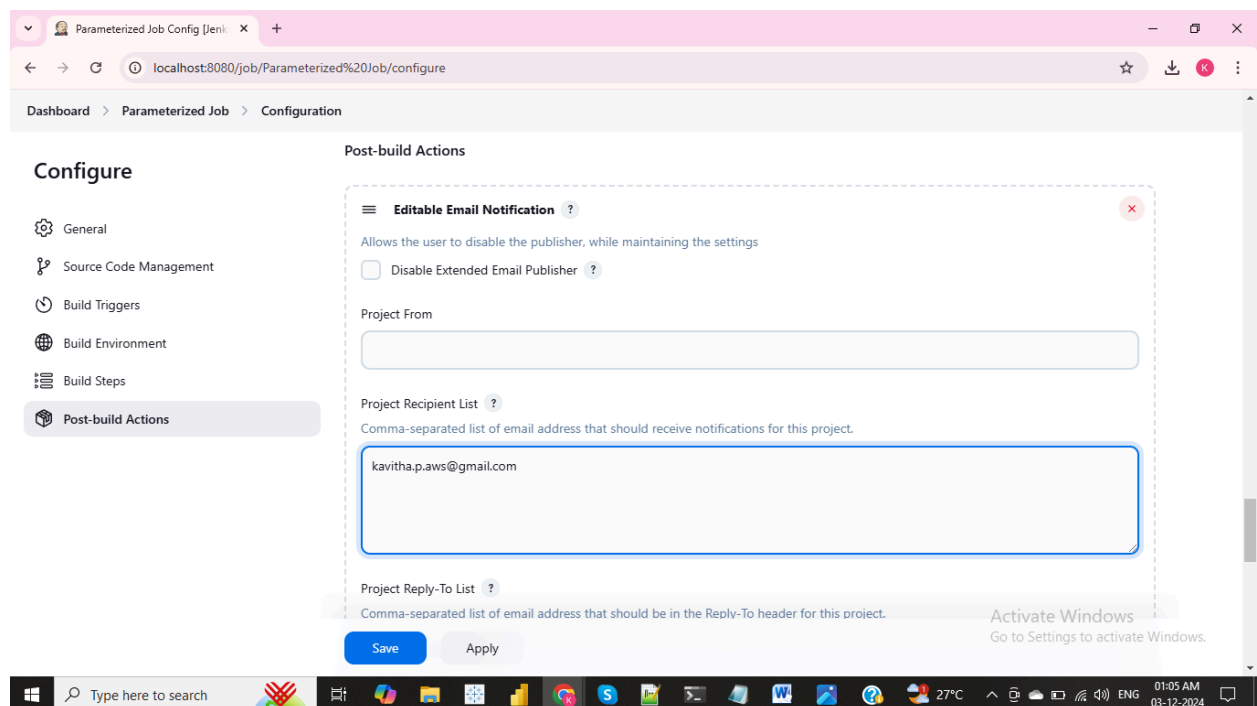
# Call the parameters in Build steps to print shows in console output



## Setting a Cron job for this parameterized job



## Configure Email notification by using Post build actions



## Cron job setting output

The screenshot shows the Jenkins web interface for a job named "Parameterized Job #1". The "Console Output" tab is selected, displaying the following text:

```
Started by timer
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job
[Parameterized Job] $ cmd /c call C:\Windows\TEMP\jenkins7490592197271742115.bat

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo true
true

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo Whats app
Whats app

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo C:\Program Files\Java\jdk-17\bin;C:\Program
Files\Java\jdk-17\bin;C:\Python313\Scripts\;C:\Python313\;C:\Program Files\Common
Files\Oracle\Java\javapath;C:\oracle\app\oracle\product\11.2.0\server\bin;C:\Windows\system32;C:\Windows\Sy
stem32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\OpenSSH\;C:\Program Files (x86)\Microsoft
SQL Server\100\Tools\Binn\;C:\Program Files\Microsoft SQL Server\100\Tools\Binn\;C:\Program Files\Microsoft SQL
Server\100\DT5\Binn\;C:\Program Files (x86)\Microsoft SQL Server\100\Tools\Binn\VSShell\IDE\;C:\Program Files
(x86)\Microsoft SQL Server\100\DT5\Binn\;C:\Program Files\Git\cmd;C:\Program Files\Git\mingw64\bin;C:\Program
Files\Git\usr\bin;C:\Program Files\PuTTY\;C:\Program Files\Java\jdk-17\bin;C:\ProgramData\chocolatey\bin;C:\Program
Files\sonarqube-10.6.0.92116\bin;C:\Program Files\apache-maven-
3.9.9\bin;C:\Windows\system32\config\systemprofile\AppData\Local\Microsoft\WindowsApps
C:\Program Files\Java\jdk-17\bin;C:\Program Files\Java\jdk-17\bin;C:\Python313\Scripts\;C:\Python313\;C:\Program
```

The interface includes a sidebar with links to Status, Changes, Console Output, Edit Build Information, Delete build '#1', Parameters, and Timings. The top of the console output area has buttons for Download, Copy, and View as plain text.

## Email Notification output

The screenshot shows a Gmail inbox with a notification email from "address not configured yet" (kavitha.p.aws@gmail.com) titled "Parameterized Job - Build # 3 - Successful!". The email body contains the text:

Parameterized Job - Build # 3 - Successful. Check console output at <http://192.168.0.112:8080/job/Parameterized%20Job/3/> to view the results.

The email interface includes standard Gmail features like a search bar, a left sidebar with navigation links (Compose, Inbox, Starred, Snoozed, Sent, Drafts, More), and a bottom section with "Reply", "Forward", and "More" buttons. A notification banner at the bottom of the email area says "Enable desktop notifications for Gmail." with "OK" and "No thanks" buttons.

## Build with parameters manually with required options selected

The screenshot shows the Jenkins web interface for a job named 'Project Parameterized Job'. The left sidebar contains a 'Builds' section with a list of recent builds: #3 (1:11 AM), #2 (1:07 AM), and #1 (12:57 AM). The main area displays the build configuration parameters:

- Check status:** A checkbox that is checked.
- Social media:** A dropdown menu with 'Whats app' selected.
- Path:** A text input field with 'No file chosen' and a 'Choose File' button.
- Password:** A text input field with 'Concealed' and a 'Change Password' button.

At the bottom of the configuration area are 'Build' and 'Cancel' buttons. The Windows taskbar at the bottom shows the time as 01:17 AM on 03-12-2024.

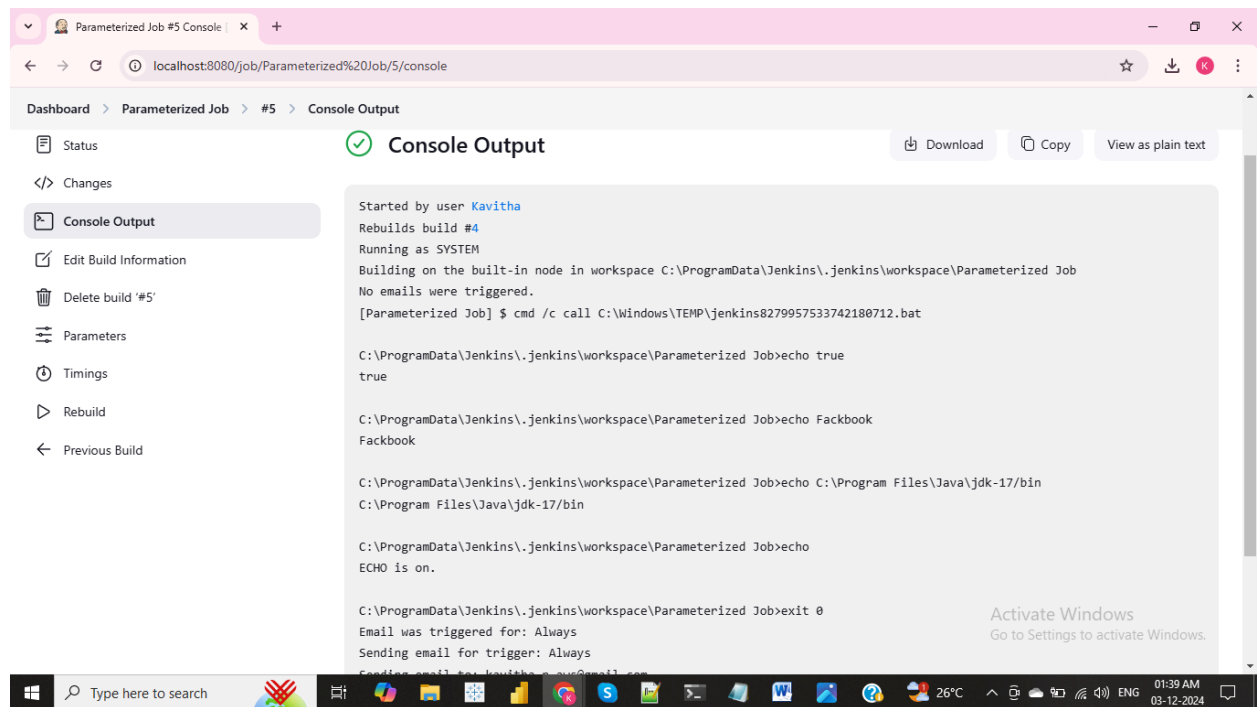
## Now install “Rebuilder plugin” for default details tagged automatically

The screenshot shows the Jenkins web interface for the 'Rebuild' page of the 'Project Parameterized Job'. The breadcrumb navigation shows 'Dashboard > Parameterized Job > #4 > Rebuild'. The main area displays the build configuration parameters:

- Check status:** A checkbox that is checked.
- Social media:** A text input field with 'Facebook' entered.
- Path:** A text input field with 'No file chosen' and a 'Choose File' button.
- Password:** A text input field with 'Concealed' and a 'Change Password' button.

At the bottom of the configuration area is a 'Rebuild' button. The Windows taskbar at the bottom shows the time as 01:25 AM on 03-12-2024.

## Using Rebuild option console output



The screenshot shows the Jenkins web interface for a job named "Parameterized Job #5". The "Console Output" tab is selected, displaying the output of a "Rebuild" action. The output text is as follows:

```
Started by user Kavitha
Rebuilds build #4
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job
No emails were triggered.
[Parameterized Job] $ cmd /c call C:\Windows\TEMP\jenkins8279957533742180712.bat

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo true
true

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo Fackbook
Fackbook

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo C:\Program Files\Java\jdk-17\bin
C:\Program Files\Java\jdk-17\bin

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>echo
ECHO is on.

C:\ProgramData\Jenkins\jenkins\workspace\Parameterized Job>exit 0
Email was triggered for: Always
Sending email for trigger: Always
Sending email for trigger: Always
```

The interface includes a left sidebar with navigation options: Status, Changes, Console Output (selected), Edit Build Information, Delete build '#5', Parameters, Timings, Rebuild, and Previous Build. The top of the console output area has buttons for Download, Copy, and View as plain text. The Windows taskbar at the bottom shows the time as 01:39 AM on 03-12-2024.