Jenkins

How to install the jenkins

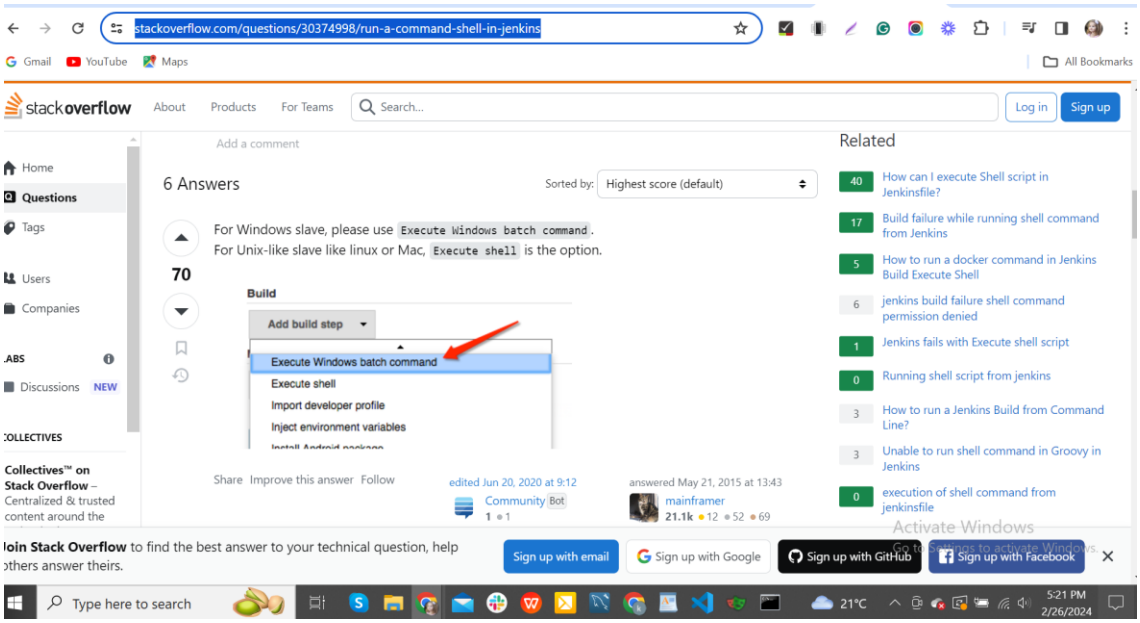
https://www.youtube.com/watch?v=1_Zs0gQq1Yc

https://www.jenkins.io/download/

When you face this type of issue then go this link

https://stackoverflow.com/questions/30374998/run-a-command-shell-in-jenkins

Use for window this option



Learn jenkins best video

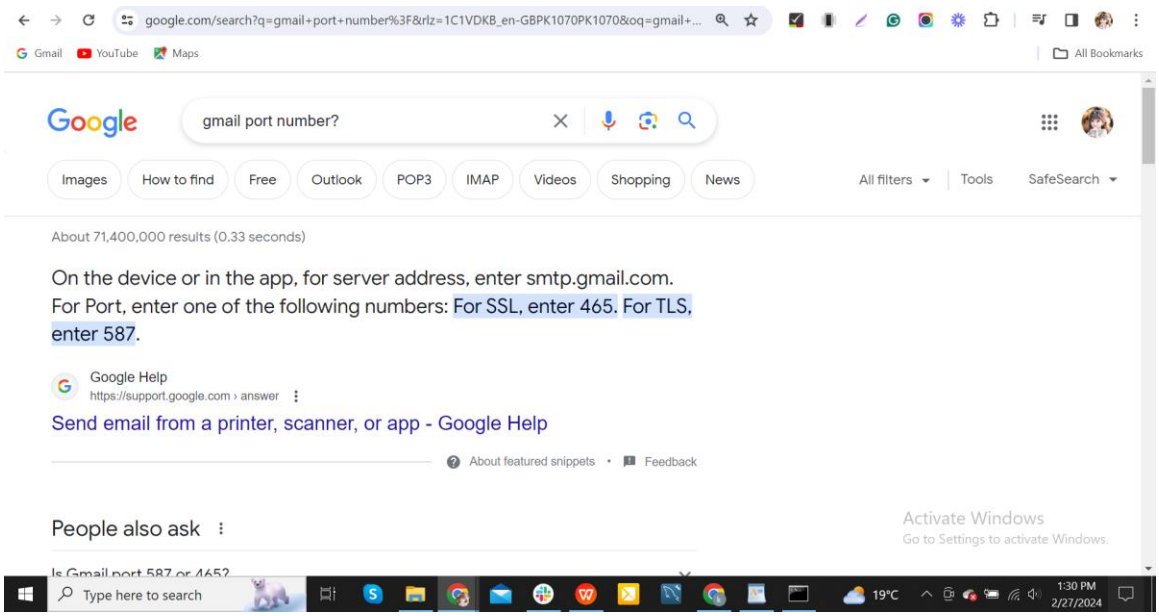
https://www.youtube.com/watch?v=fhIKugIdtMc

Learn jenkins best playlist

https://www.youtube.com/watch?v=u2TpnY1Mmts&list=PL6flErFppaj35spJjPy41-IruDjw2kRV-&index=4

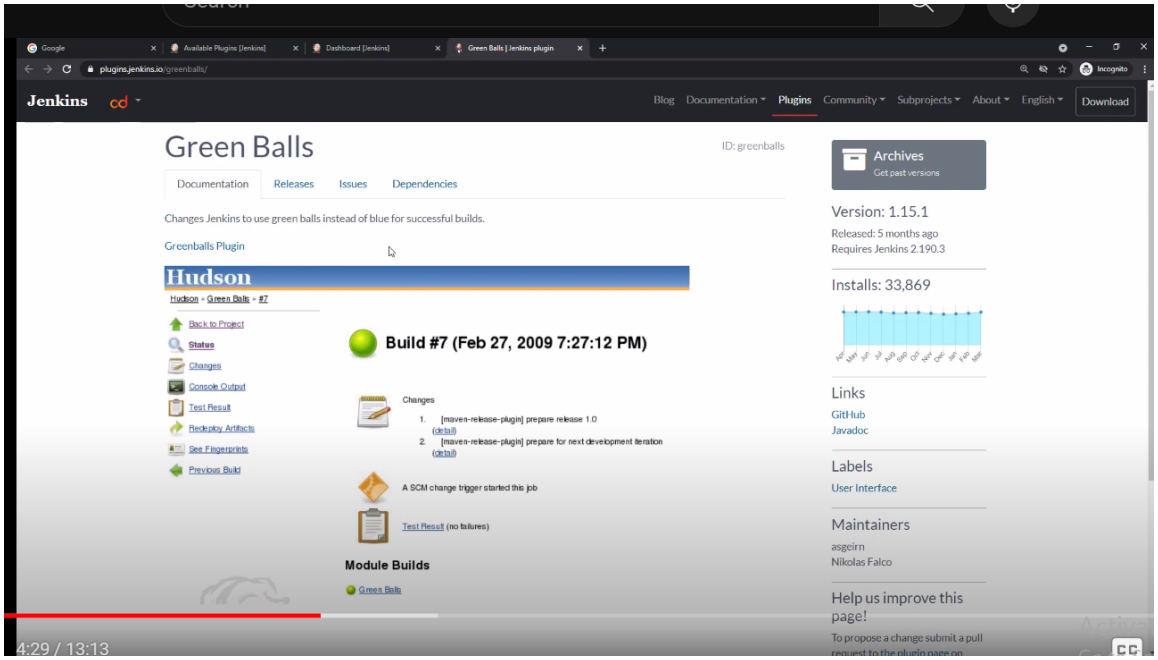
Configure Email Notification In Jenkins | How To Send Email From Jenkins Job

https://www.youtube.com/watch?v=MFgbp00hbVI&list=PL6flErFppaj35spJjPy41-IruDjw2kRV-&index=5

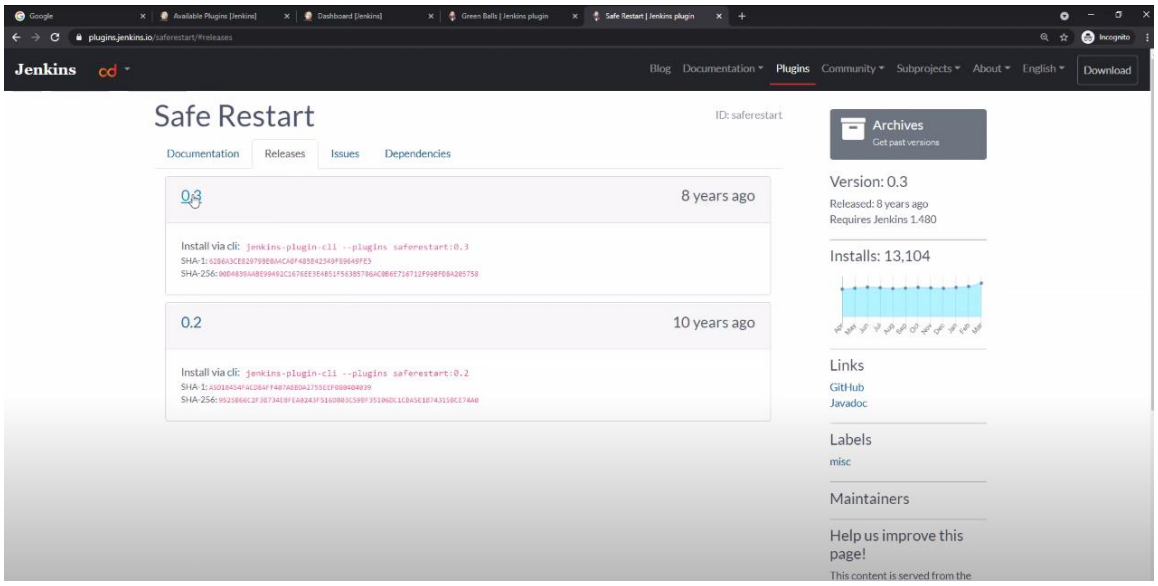


Plugins are the aditionall functionality that will add to the jenkins.

Green Ball plugin:

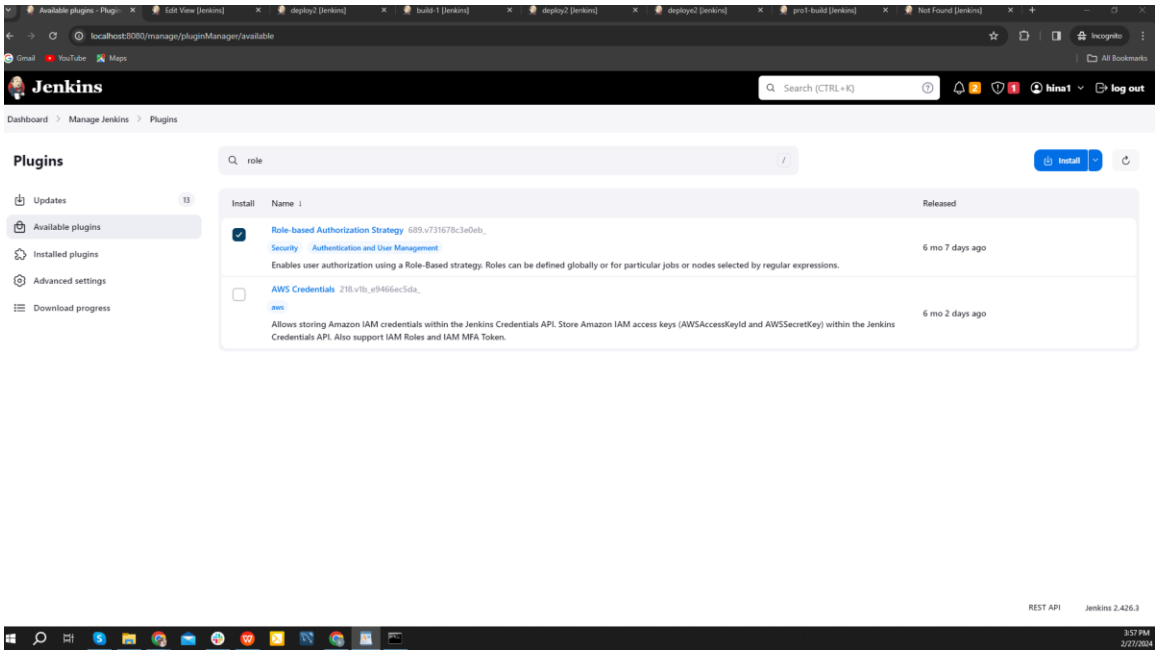


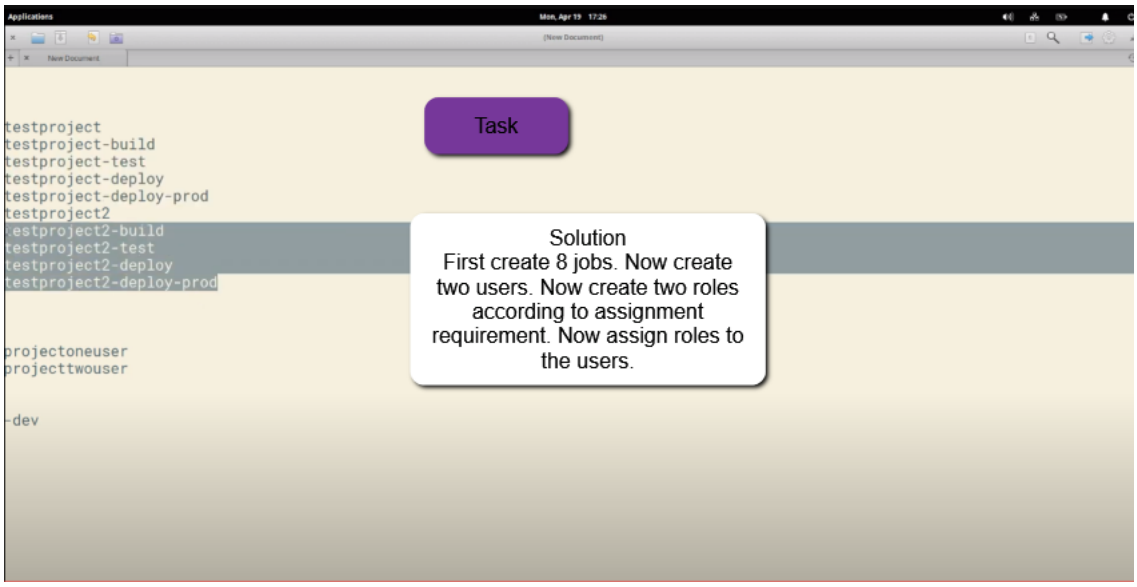
Safe release:



Create First User

https://www.youtube.com/watch?v=ycbZWweZGAw&list=PL6XT0grm_Tfi21F8O0TvHmb78P2uEmhDq&index=9





How To Create Jenkins Job With Parameter | Jenkins Parameterized Build

https://www.youtube.com/watch?v=-4iMrktR4ZQ&list=PL6flErFppaj35spJjPy41-lruDjw2kRV-&index=9

Parameters allow you to prompt users for one or more inputs that will be passed into a build. For example, you might have a project that runs tests on demand by allowing users to upload a zip file with binaries to be tested. This could be done by adding a *File Parameter* here.
Or you might have a project that releases some software, and you want users to enter release notes that will be uploaded along with the software. This could be done by adding a *Multi-line String Parameter* here.
Each parameter has a *Name* and some sort of *Value* , depending on the parameter type. These name-value pairs will be exported as environment variables when the build starts, allowing subsequent parts of the build configuration (such as build steps) to access those values, e.g. by using the ${PARAMETER_NAME} syntax (**or %PARAMETER_NAME% on Windows**).
This also implies that each parameter defined here should have a unique *Name* .

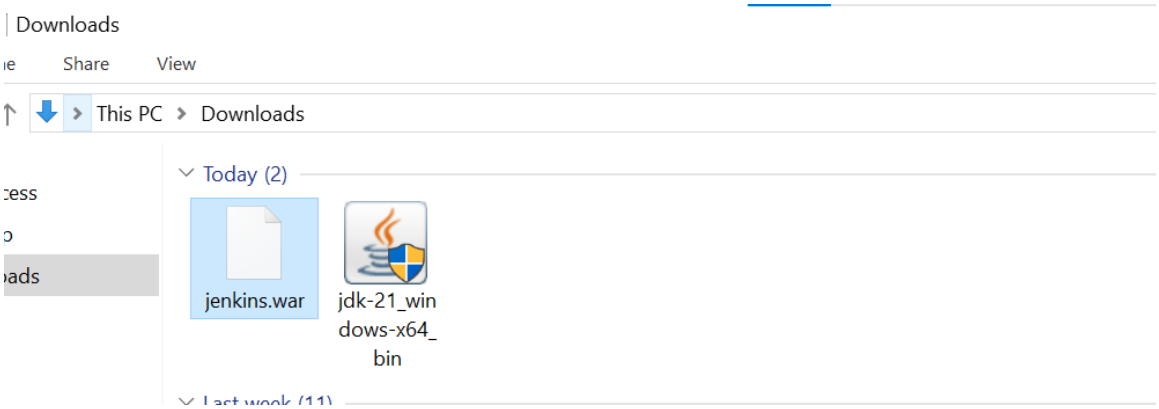
When a project is parameterized, the usual *Build Now* link will be replaced with a *Build with Parameters* link, where users will be prompted to specify values for each of the defined parameters. If they choose not to enter anything, the build will start with the default value for each parameter.

If a build is started automatically, for example if started by an SCM trigger, the default values for each parameter will be used.

When a parameterized build is in the queue, attempting to start another build of the same project will only succeed if the parameter values are different, or if the *Execute concurrent builds if necessary* option is enabled.

C:¥Users¥khadi>java -version

C:¥Users¥khadi>java -jar C:¥Users¥khadi¥Downloads¥jenkins.war

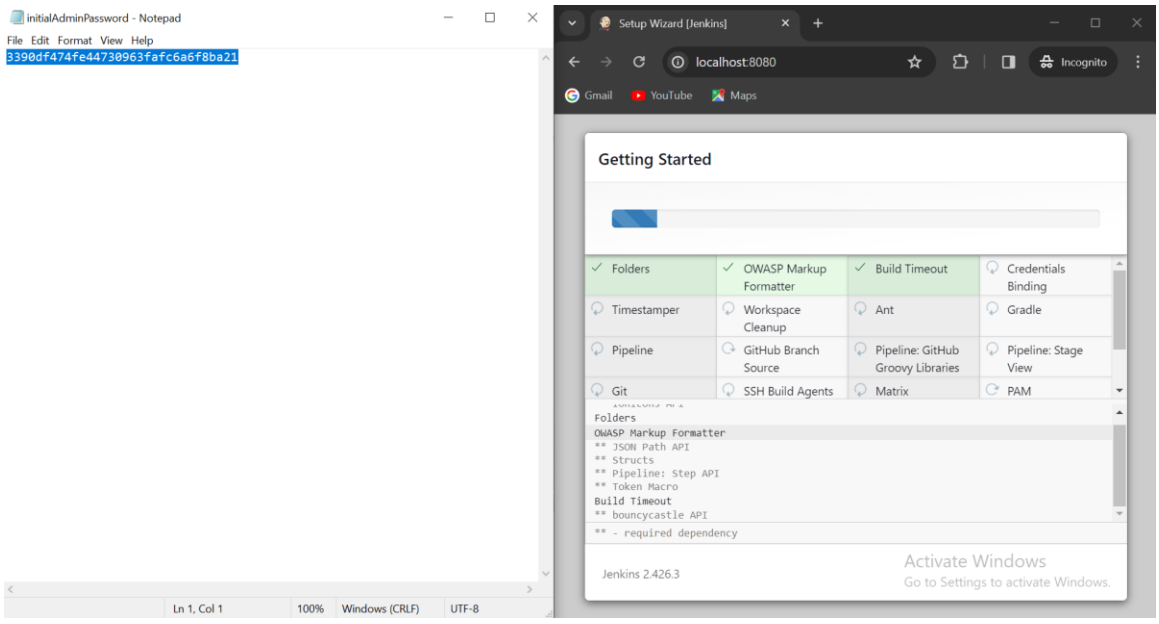


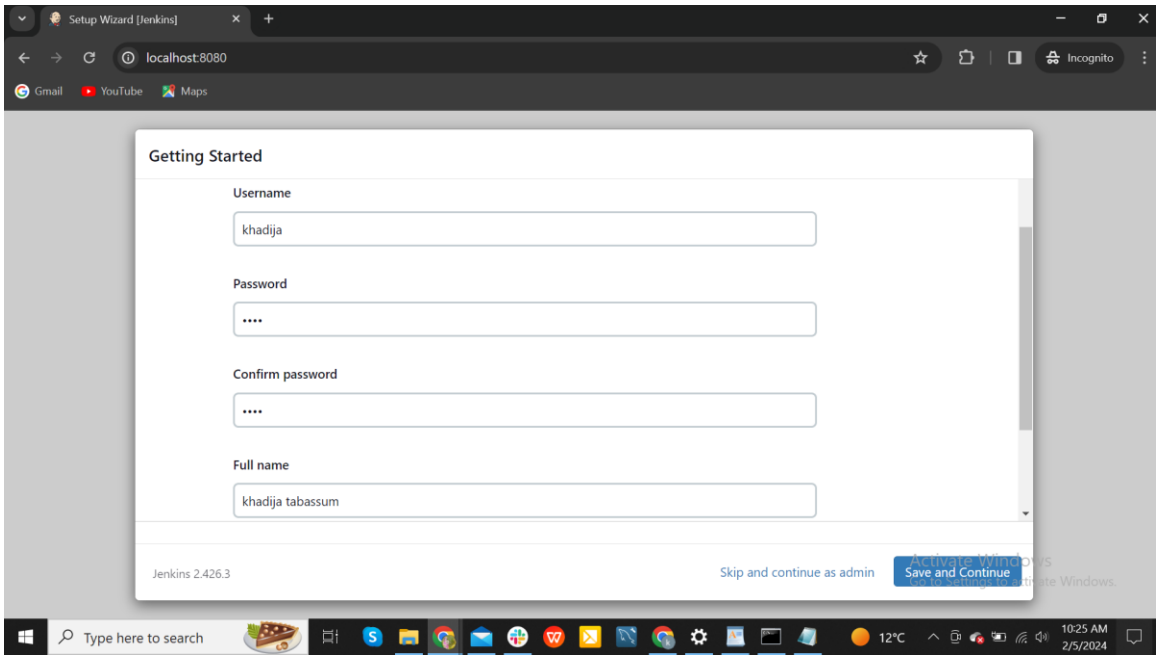
Jenkins initial setup is required. An admin user has been created and a password generated.

Please use the following password to proceed to installation:

3390df474fe44730963fafc6a6f8ba21

This may also be found at:
C:¥Users¥khadi¥.jenkins¥secrets¥initialAdminPassword





Jenkins load url

http://localhost:8080/

How to Istall the latest version of java

https://www.youtube.com/watch?v=4Bp3AbR8ne8

Quick Tour Of Jenkins

https://www.youtube.com/watch?v=gbl0Qe3syeM

Part1-SDET Essentials | Jenkins Build & Delivery Pipeline | CI & CD | How to create Jenkins Pipeline

https://www.youtube.com/watch?v=1ji_9scA2C4&t=1079s

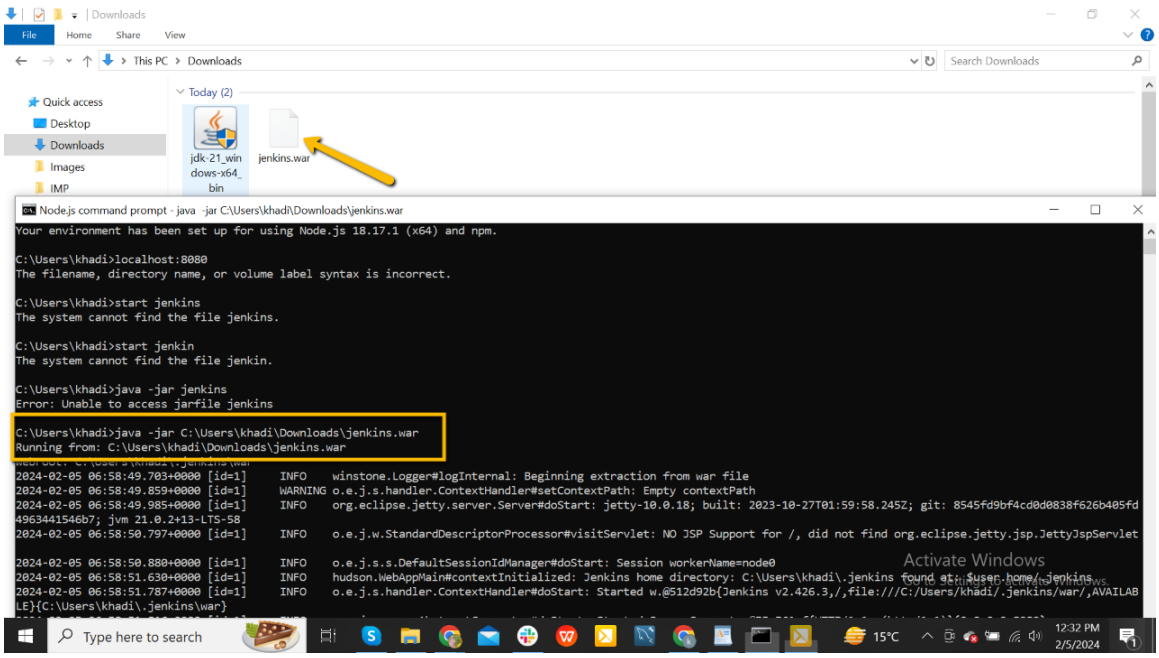
java -jar jenkins. war

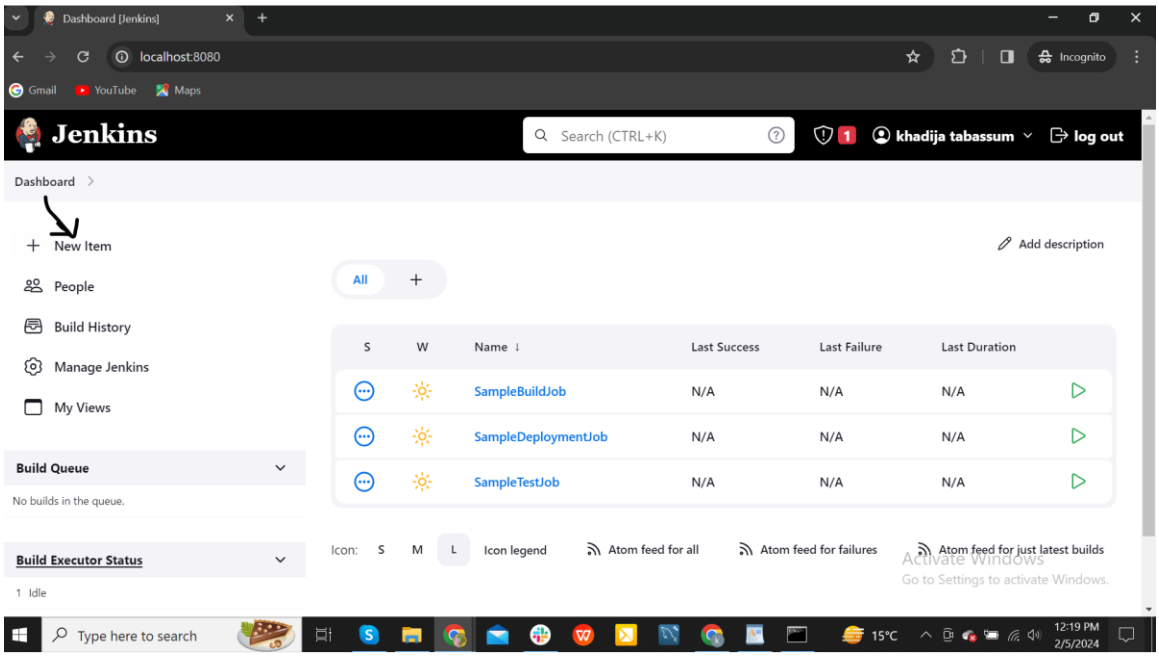
or cmd with

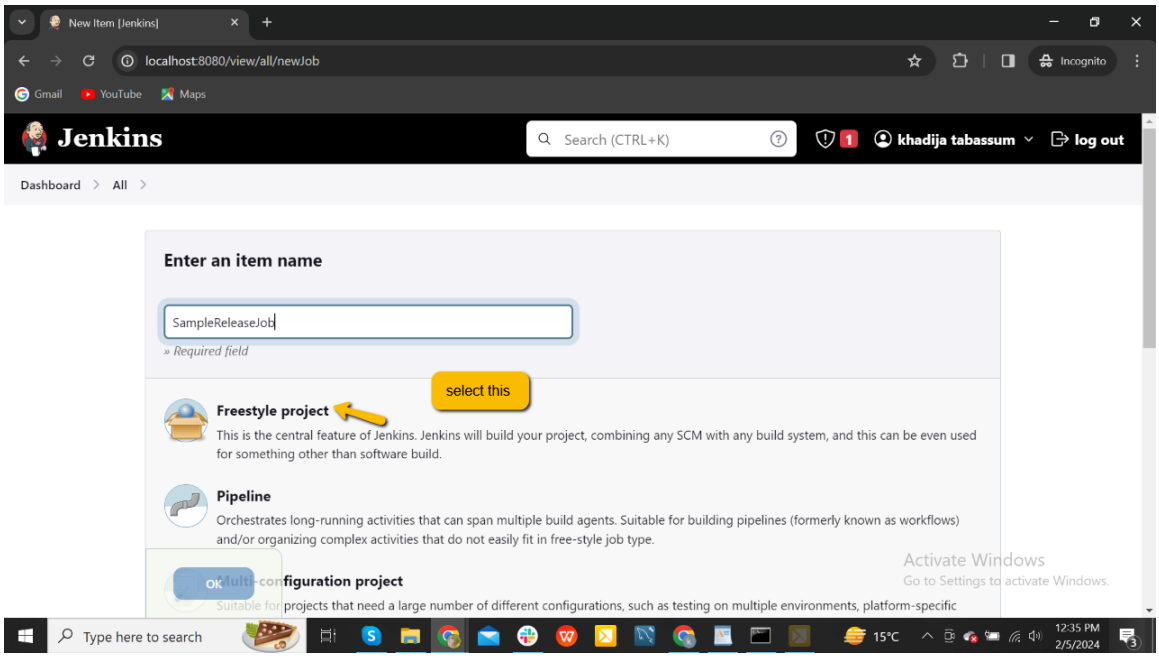
java -jar C:¥Users¥khadi¥Downloads¥jenkins.war

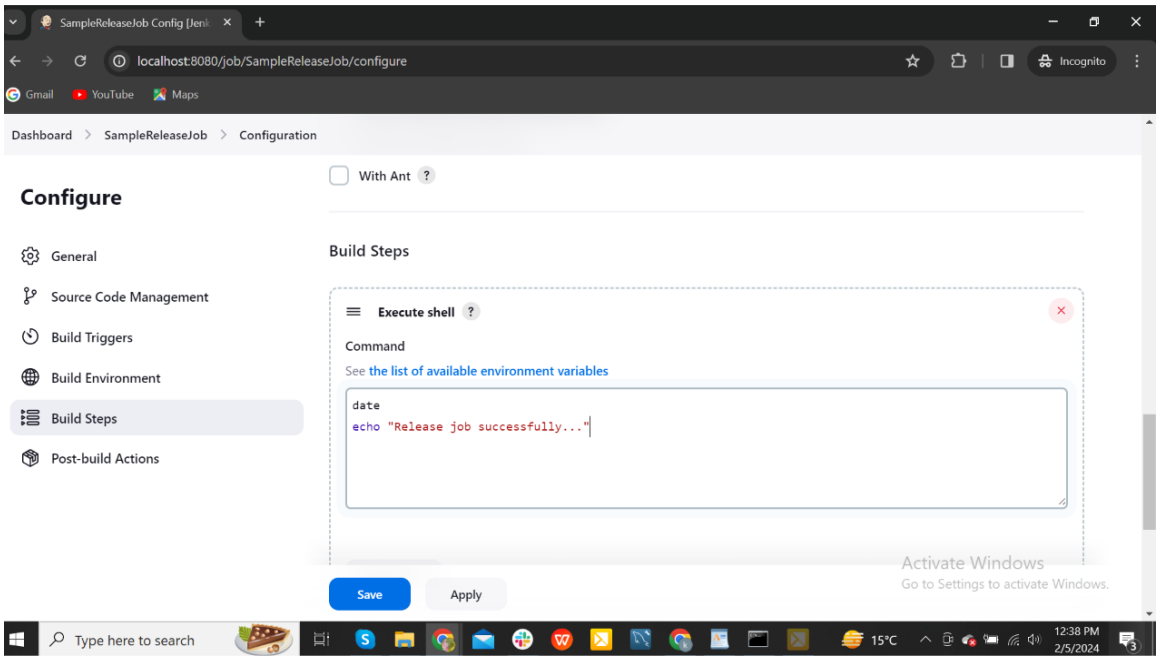
isko run hna chaiy back main tab he jenkins localhost sy chly ga

phir isky bad incognito main http://localhost:8080/ ye command run kr lyni ha


Downloads
File
Home
Share
View
This PC › Downloads
Search Downloads
Quick access
Desktop
Downloads
Images
IMP
Today (2)
jdk-21_windows-x64_bin
jenkins.war
Node.js command prompt - java -jar C:\Users\khadi\Downloads\jenkins.war
Your environment has been set up for using Node.js 18.17.1 (x64) and npm.
C:\Users\khadi>localhost:8080
The filename, directory name, or volume label syntax is incorrect.
C:\Users\khadi>start jenkins
The system cannot find the file jenkins.
C:\Users\khadi>start jenkin
The system cannot find the file jenkin.
C:\Users\khadi>java -jar jenkins
Error: Unable to access jarfile jenkins
C:\Users\khadi>java -jar C:\Users\khadi\Downloads\jenkins.war
Running from: C:\Users\khadi\Downloads\jenkins.war
2024-02-05 06:58:49.703+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2024-02-05 06:58:49.859+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2024-02-05 06:58:49.985+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-10.0.18; built: 2023-10-27T01:59:58.245Z; git: 8545fd9bf4cd0d0838f626b405fd4963441546b7; jvm 21.0.2+13-LTS-58
2024-02-05 06:58:50.797+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServlet
2024-02-05 06:58:50.880+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: Session workerName=node0
2024-02-05 06:58:51.630+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: C:\Users\khadi\.jenkins found at: $user.home/.jenkins
2024-02-05 06:58:51.787+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started w.@512d92b{Jenkins v2.426.3,/,file:///C:/Users/khadi/.jenkins/war/,AVAILABLE}{C:\Users\khadi\.jenkins\war}
Activate Windows
Type here to search
15°C
12:32 PM
2/5/2024


Dashboard [Jenkins]
localhost:8080
Incognito
Gmail
YouTube
Maps
Jenkins
Search (CTRL+K)
khadija tabassum
log out
Dashboard
New Item
People
Build History
Manage Jenkins
My Views
Add description
All
S
W
Name
Last Success
Last Failure
Last Duration
SampleBuildJob
SampleDeploymentJob
SampleTestJob
N/A
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
Icon: S M L
Icon legend
Atom feed for all
Atom feed for failures
Atom feed for just latest builds
Activate Windows
Type here to search
15°C
12:19 PM
2/5/2024


New Item [Jenkins]
localhost:8080/view/all/newJob
Incognito
Gmail
YouTube
Maps
Jenkins
Search (CTRL+K)
khadija tabassum
log out
Dashboard
All
Enter an item name
SampleReleaseJob
» Required field
select this
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.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
OK
projects that need a large number of different configurations, such as testing on multiple environments, platform-specific
Activate Windows
Go to Settings to activate Windows.
Type here to search
15°C
12:35 PM
2/5/2024


SampleReleaseJob Config [Jenk
localhost:8080/job/SampleReleaseJob/configure
Incognito
Gmail
YouTube
Maps
Dashboard
SampleReleaseJob
Configuration
Configure
General
Source Code Management
Build Triggers
Build Environment
Build Steps
Post-build Actions
With Ant
Build Steps
Execute shell
Command
See the list of available environment variables
date
echo "Release job successfully..."
Save
Apply
Activate Windows
Go to Settings to activate Windows.
Type here to search
15°C
12:38 PM
2/5/2024

How to setup BUILD PIPELINE in Jenkins

Step1: Chain required jobs in sequence Add upstream/downstream jobs

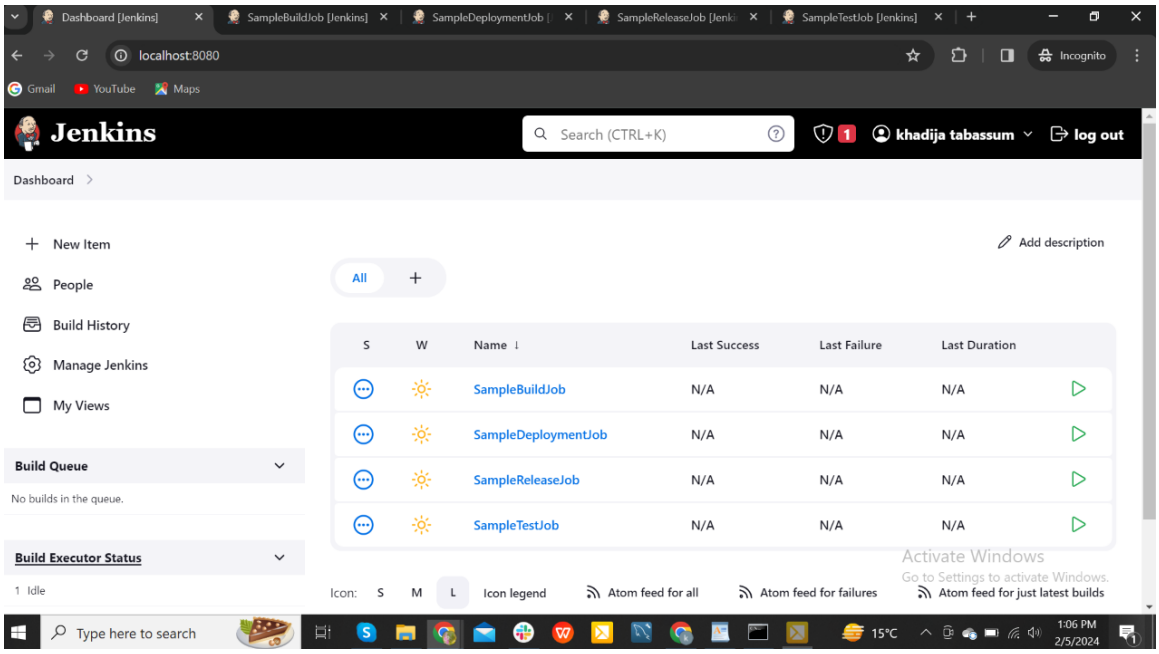
Step2: Install *Build Pipeline Plugin*

Step3: Add

Build Pipeline View

Configure the view Step

Step4: Run and Validate


Dashboard [Jenkins]
SampleBuildJob [Jenkins]
SampleDeploymentJob
SampleReleaseJob [Jenki
SampleTestJob [Jenkins]
localhost:8080
Incognito
Gmail
YouTube
Maps
Jenkins
Search (CTRL+K)
khadija tabassum
log out
Dashboard
New Item
People
Build History
Manage Jenkins
My Views
Add description
All
S
W
Name
Last Success
Last Failure
Last Duration
SampleBuildJob
SampleDeploymentJob
SampleReleaseJob
SampleTestJob
N/A
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
Icon: S M L
Icon legend
Atom feed for all
Atom feed for failures
Atom feed for just latest builds
Activate Windows
Go to Settings to activate Windows.
Type here to search
15°C
1:06 PM
2/5/2024