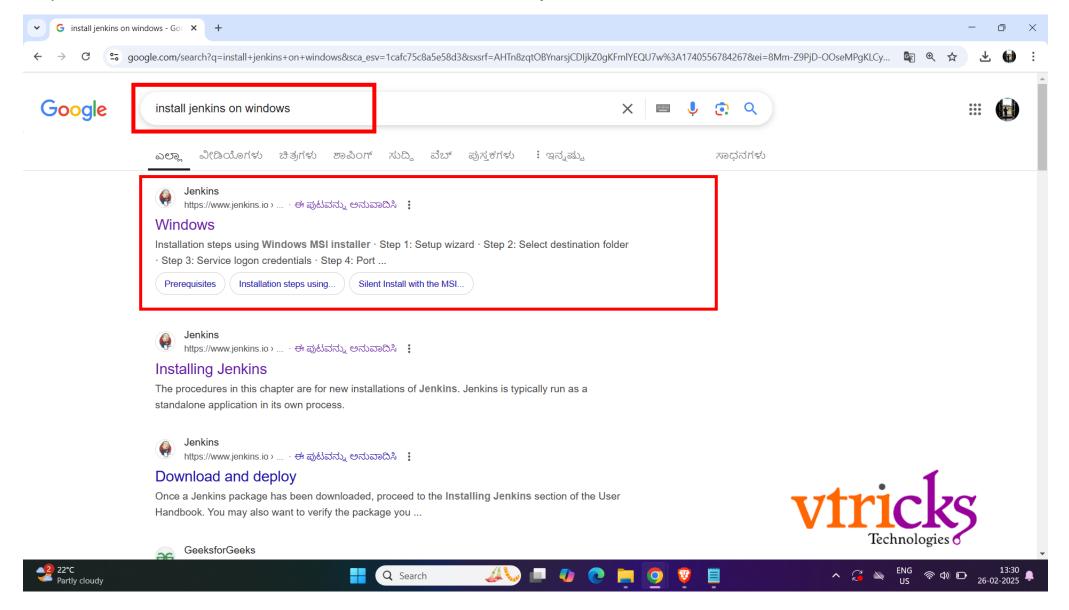
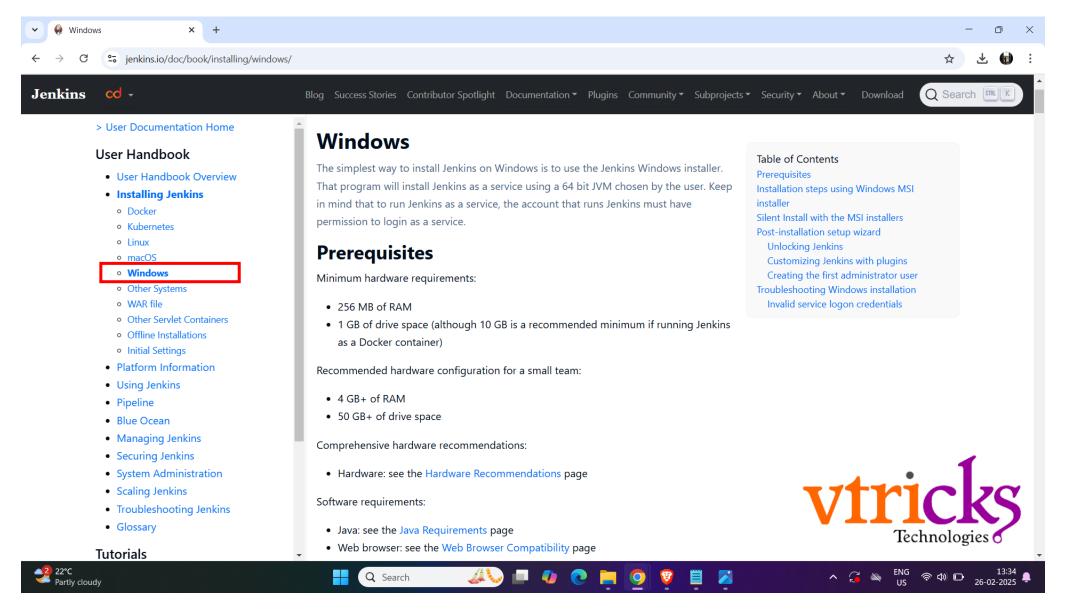
# Experiment 5: Introduction to Jenkins: What is Jenkins?, Installing Jenkins on Local or Cloud Environment, Configuring Jenkins for First Use



Step 1: Search for official website or user hanbook to install jenkins and click on it.

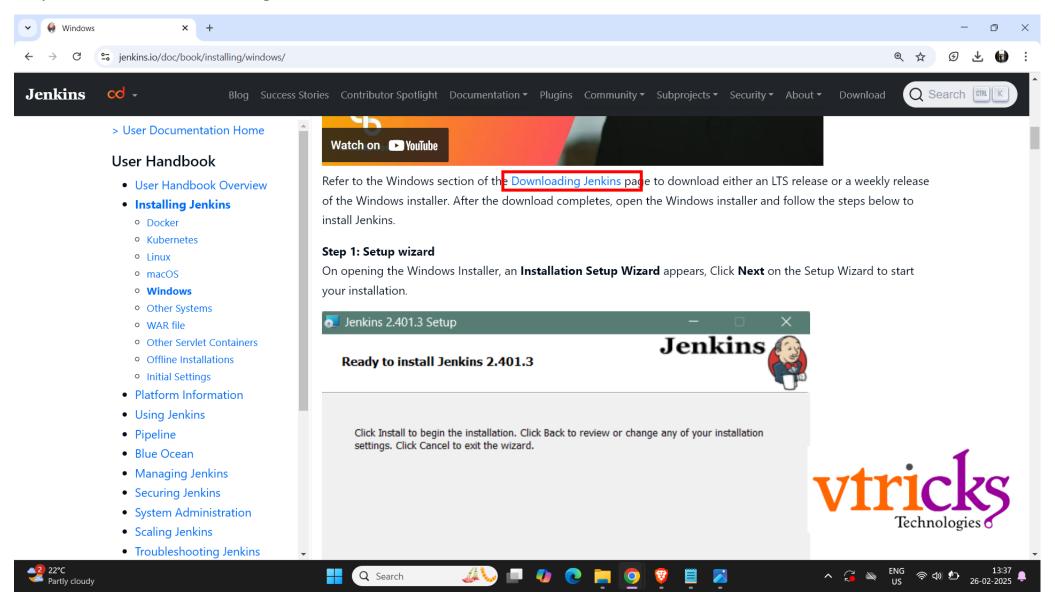


Step2: The following page provides the user handbook, which includes essential information on installing Jenkins. Here select windows

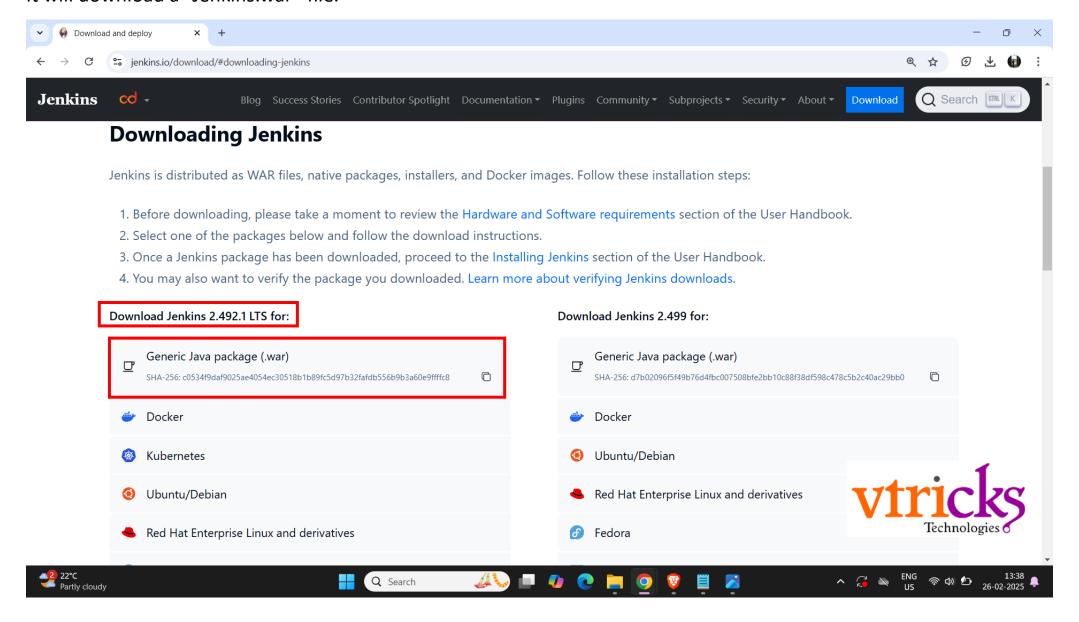


Scroll down in this window

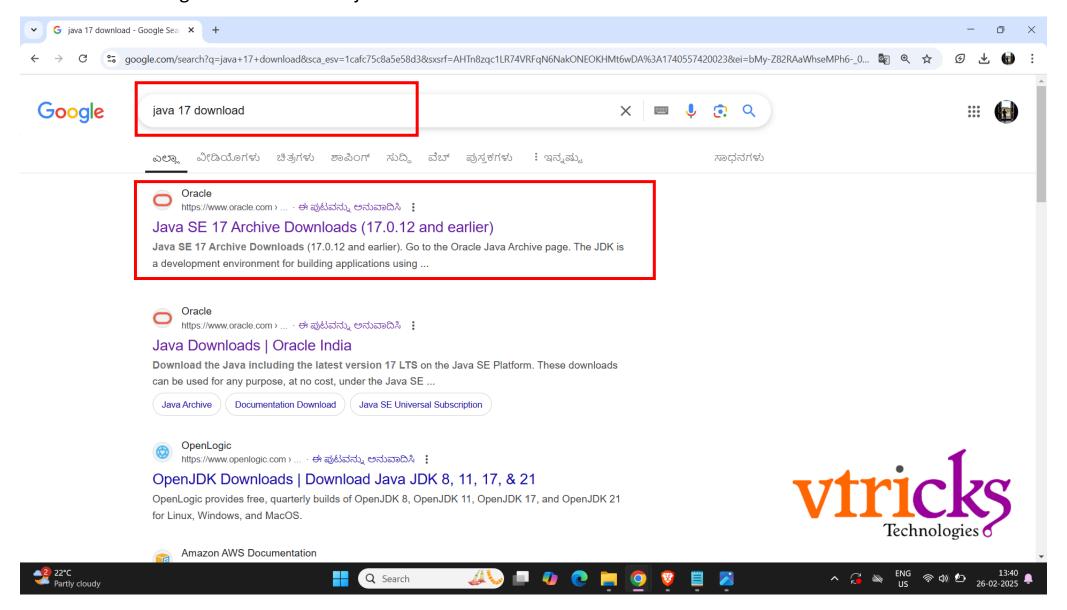
### Step 3: click on "Downloading Jenkins"



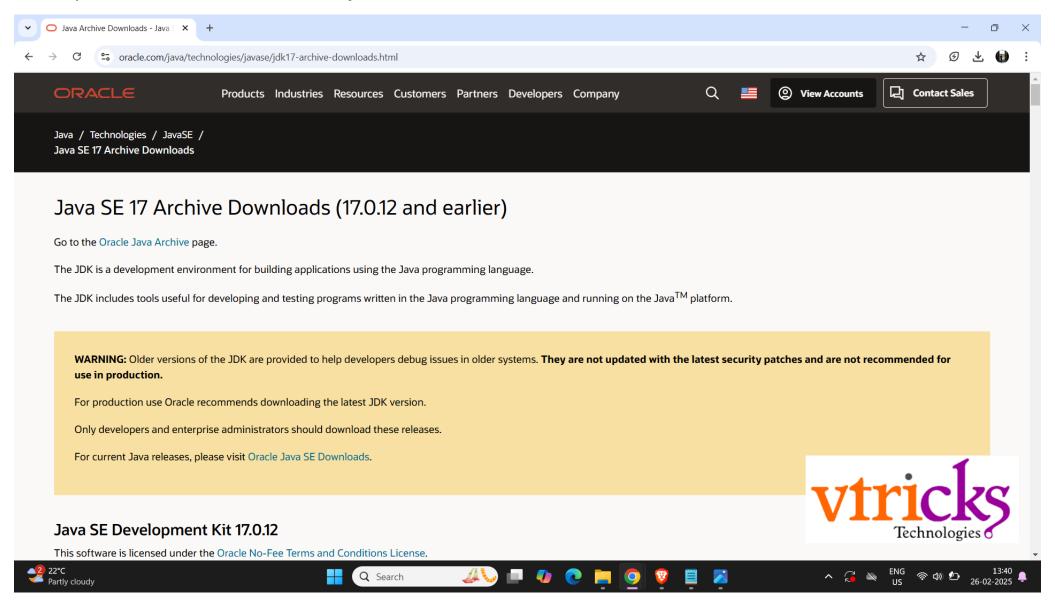
Step 4: In Downloading Jenkins window, click on "Generic Java package(.war)" under "Download Jenkins 2.492.1 LTS". It will download a "Jenkins.war" file.



Step 5: Jenkins requires Java to run. Search for Java 17 download and click on relevant website link. In the following case Oracle is being used to download java.

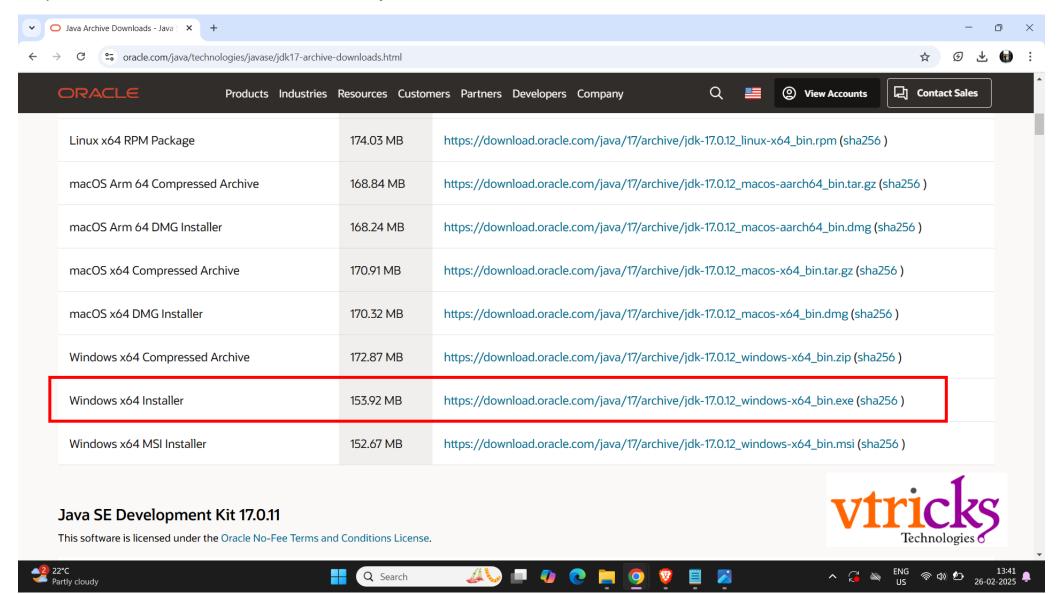


## Oracle provides for various versions of java which looks as follows

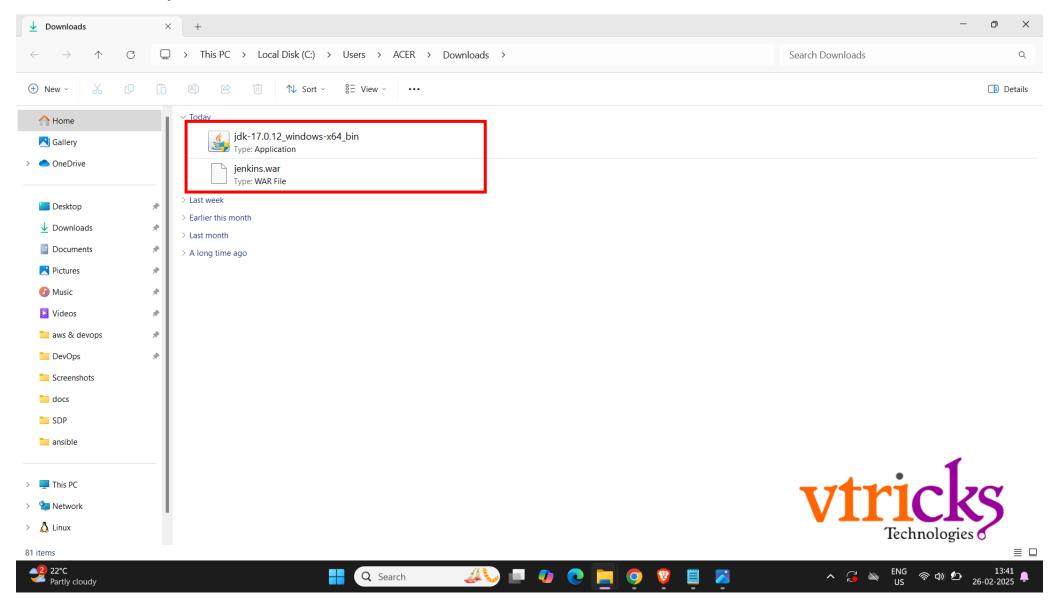


Scroll down in this window

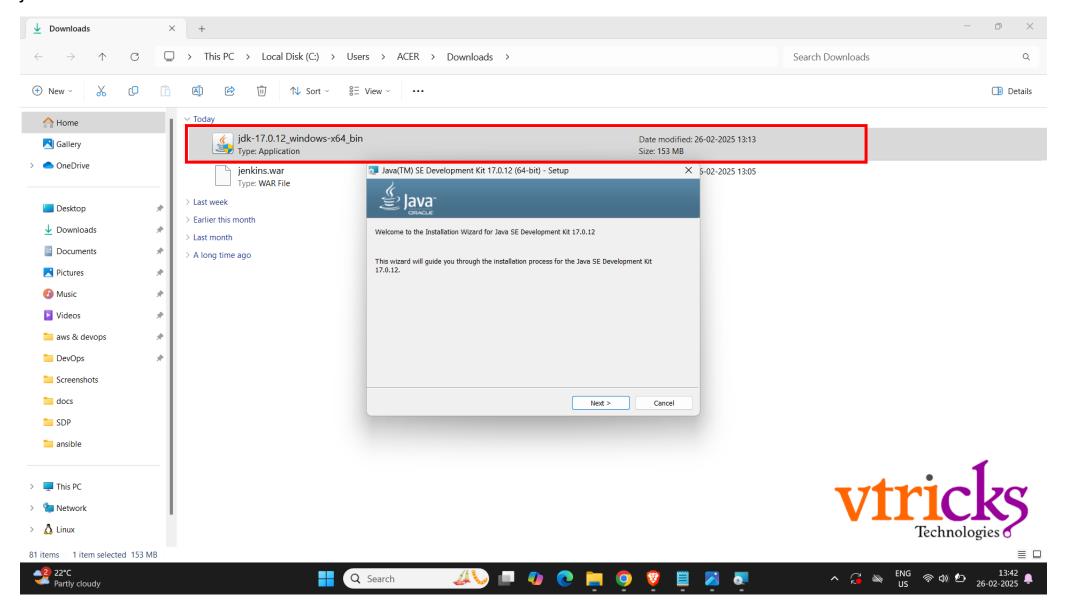
#### Step 6: Click on relevant link to download java installer.

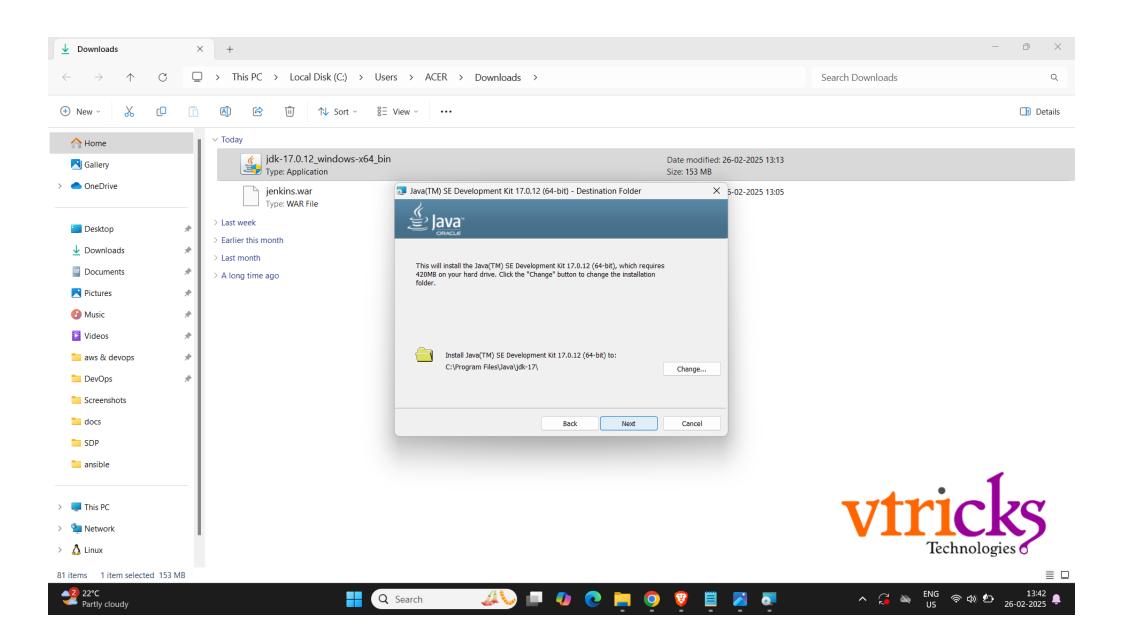


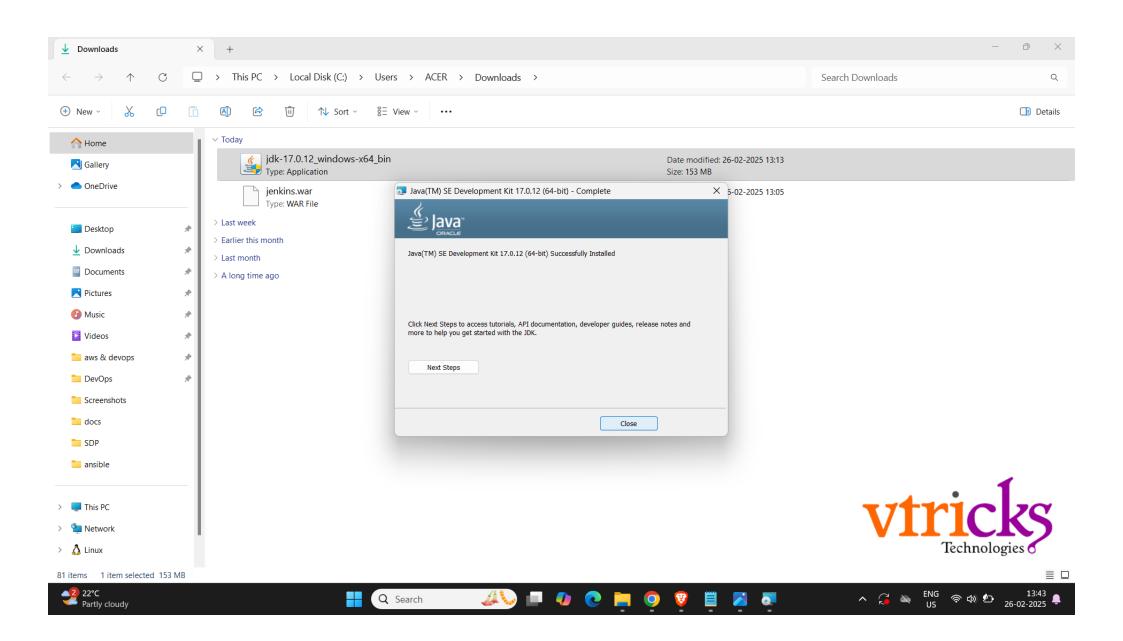
# Java installer and jenkin.war will be available in download folder



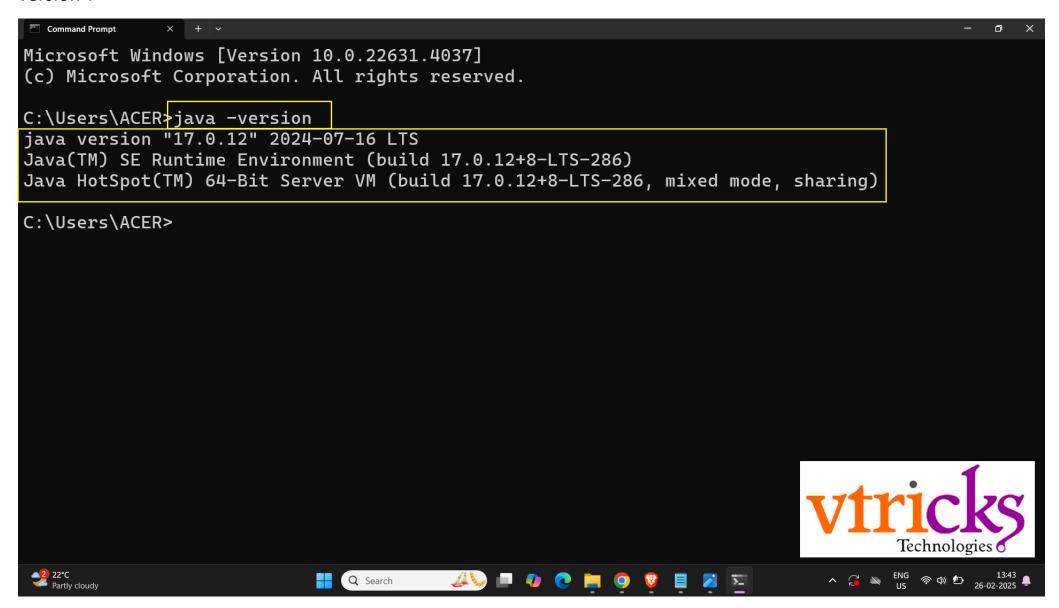
Step 7: Double click on "jdk-17.0.12\_windows-x64\_bin" to begin with java installation and follow the steps to install java.



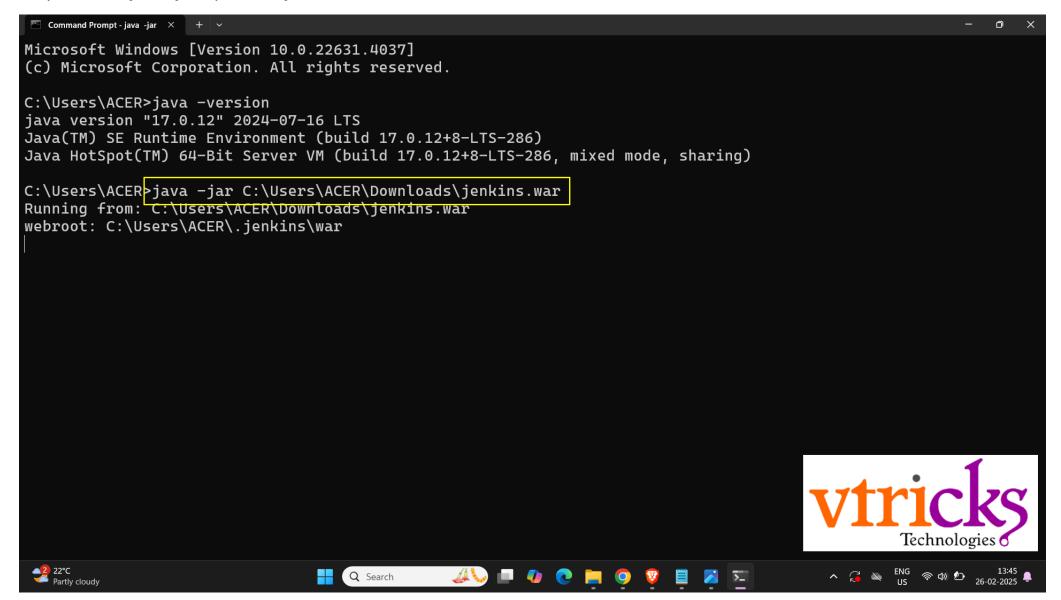




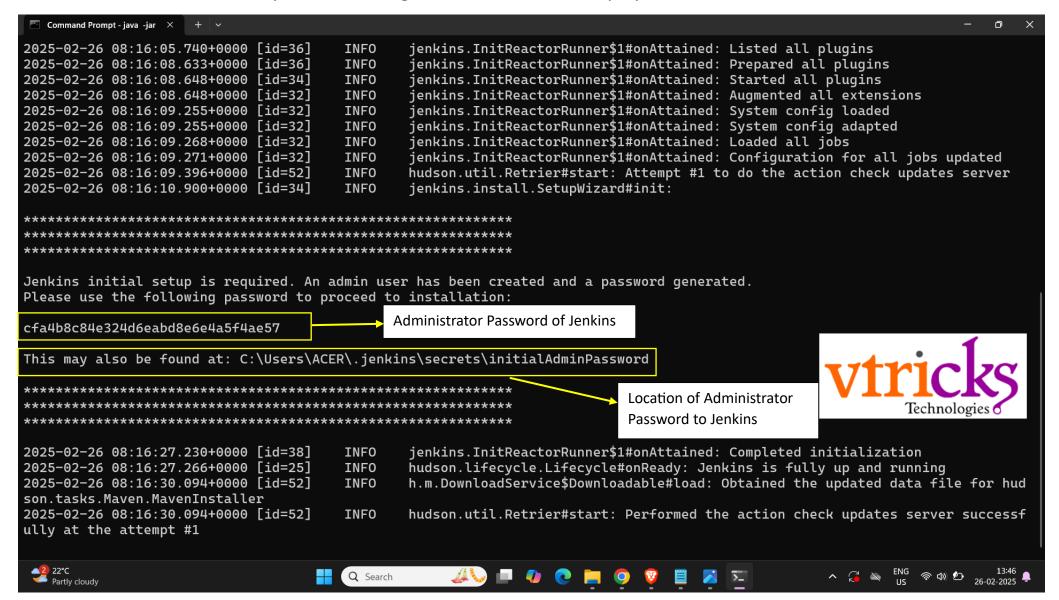
Step 8: Open command prompt of your windows machine and verify the java installation. Use command "java - version".



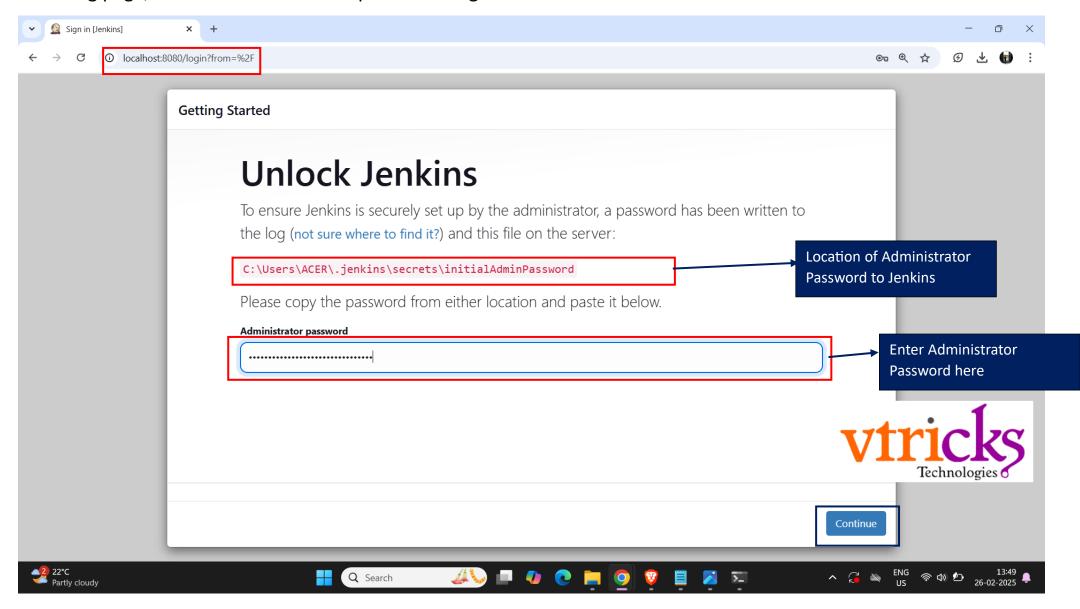
Step 9: Use "java -jar <path-to-jenkins.war-file >" command to install Jenkins.



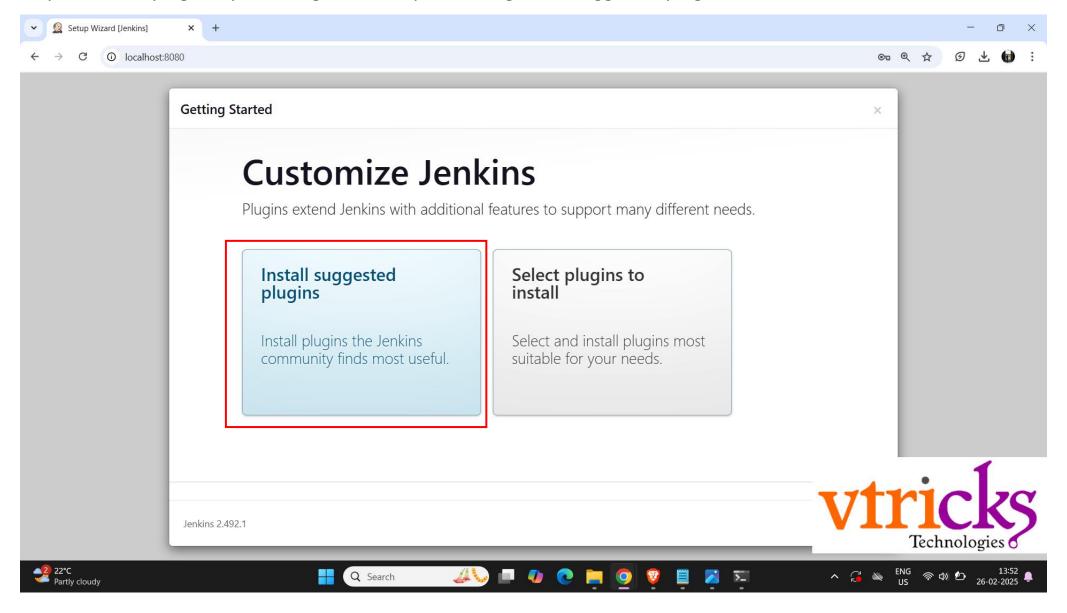
Once Jenkins installation completes following information will be displayed.



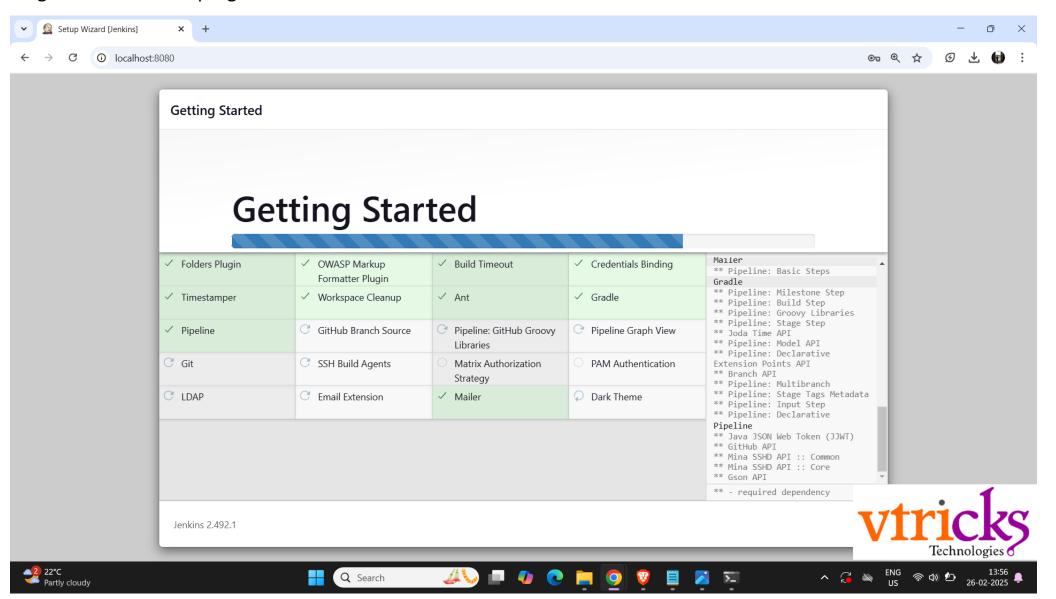
Step 10: Jenkins uses port 8080, type "loacalhost:8080" in any browser of the machine and search. It will display following page, here use Administrator password to get start with Jenkins.



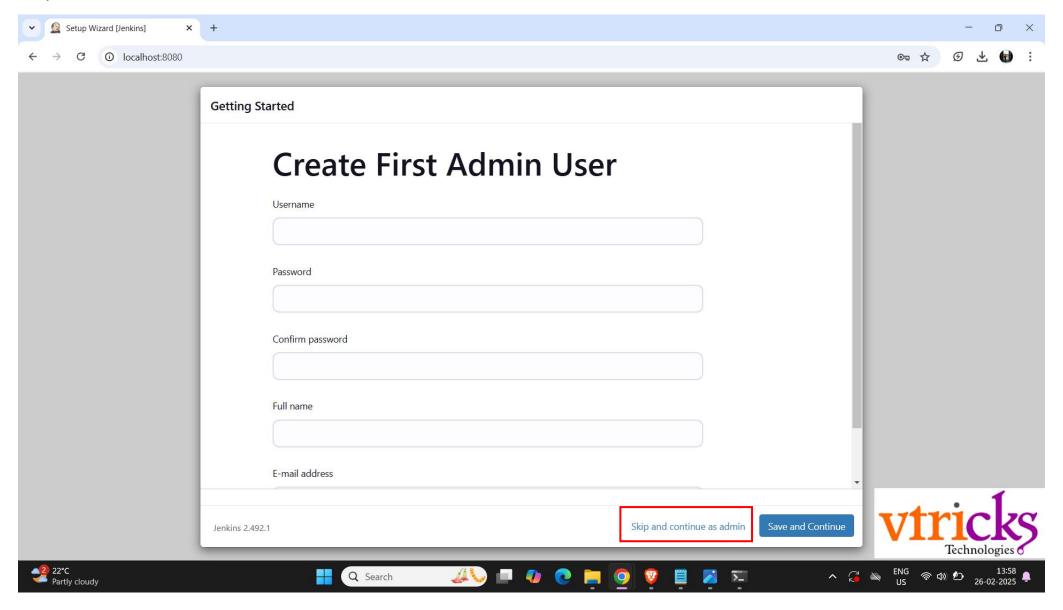
Step 11: Install plugins by choosing relevant option, lets go with suggested plugins.



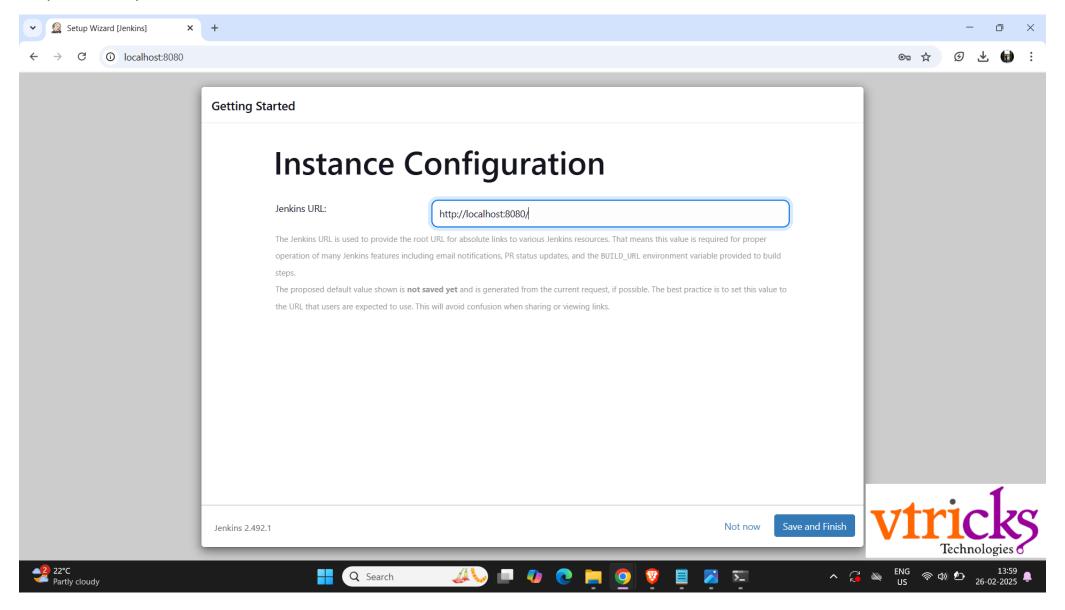
#### Plugins installation in progress



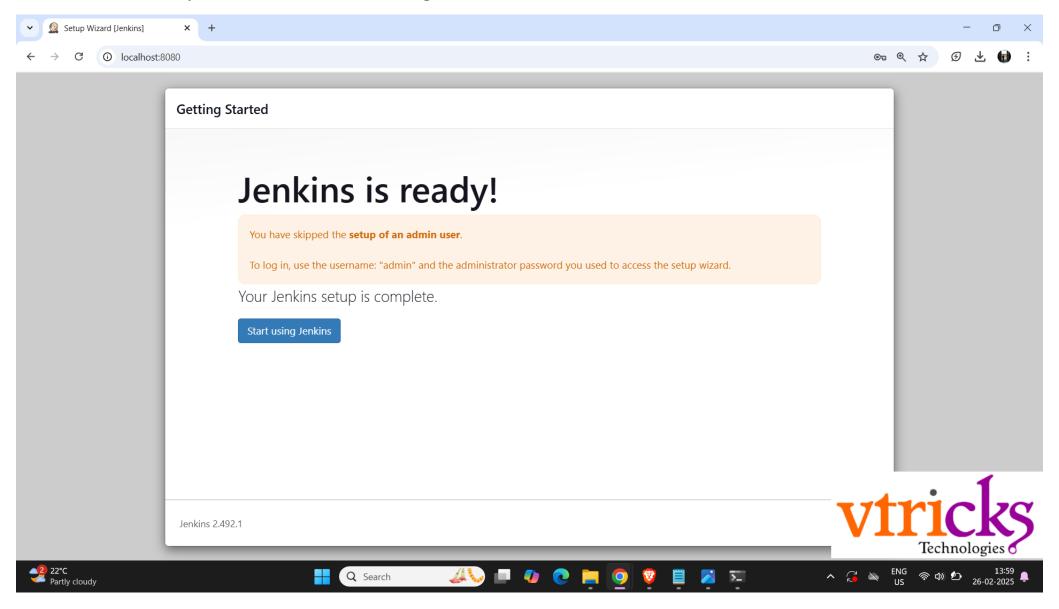
Step 12: Create user details or continue as admin.



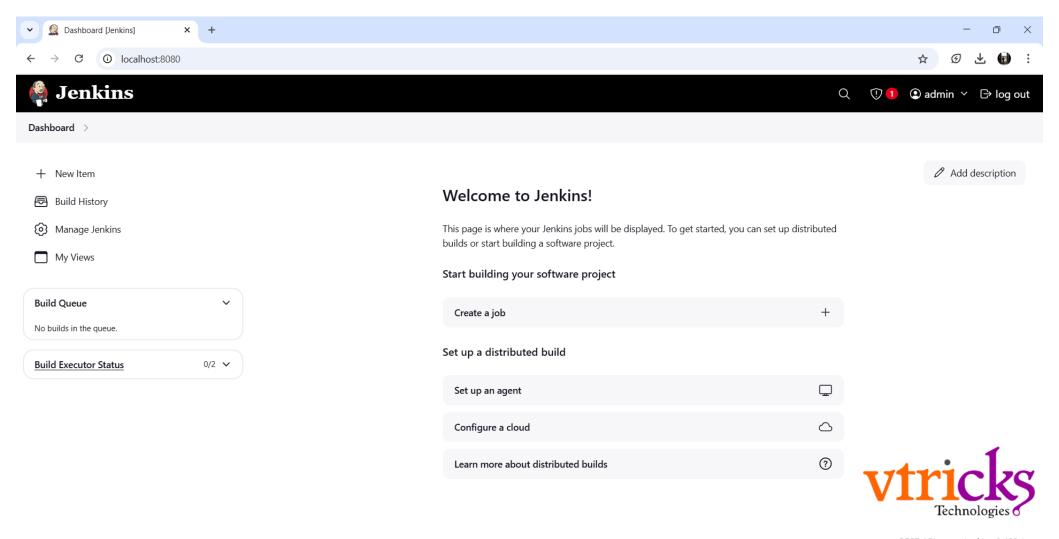
Step 13: verify the Jenkins URL and click on "Save and Finish".



# Now Jenkins is ready to use, click on "start using Jenkins"



#### Dashboard of Jenkins looks as follows



REST API

Jenkins 2.492.1



































