EXPERIMENT NO: - 07

AIM:- To understand Static Analysis SAST process and learn to integrate Jenkins SAST to SonarQube/GitLab

☐ **GIT Installation**
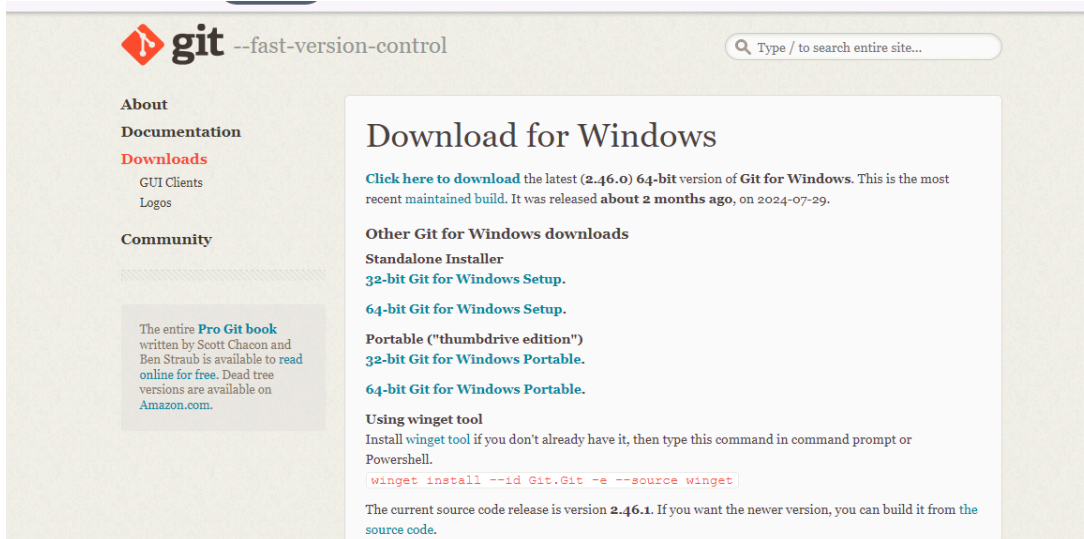
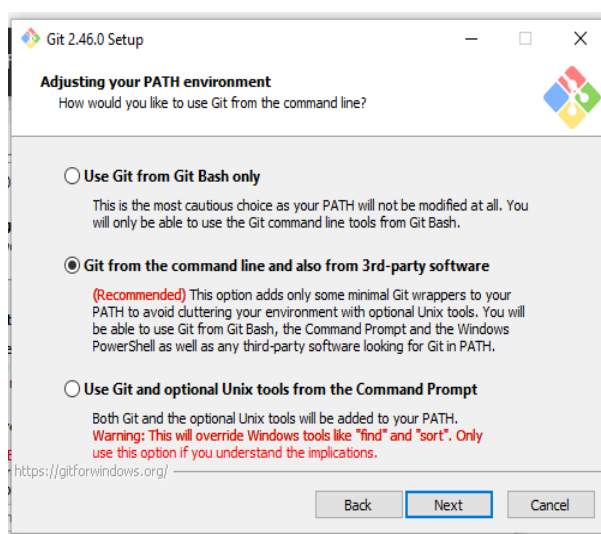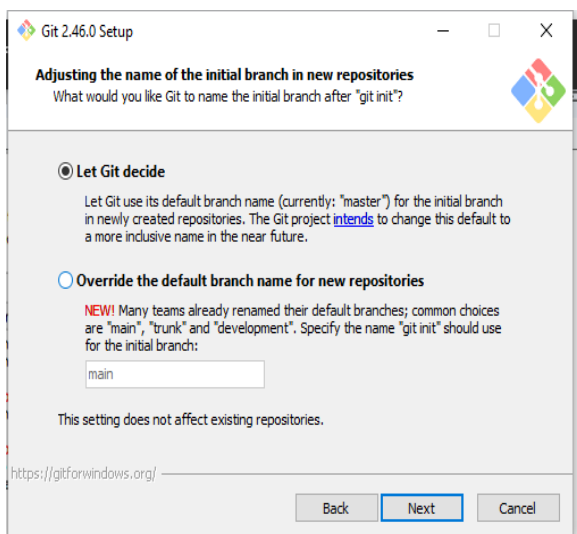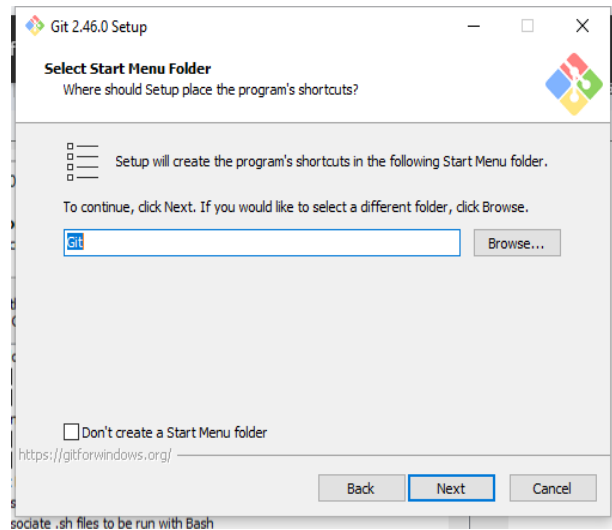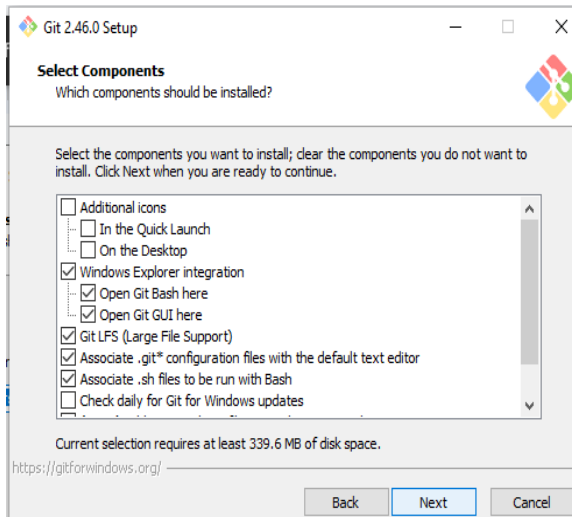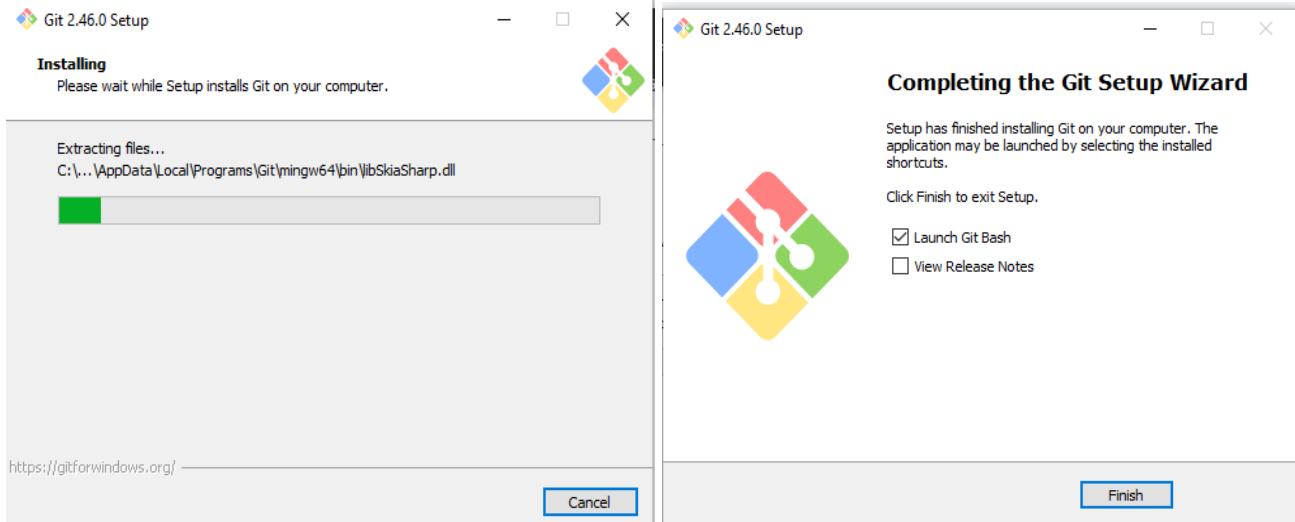Select Installation for Windows setup and set up the destination for GIT installation.
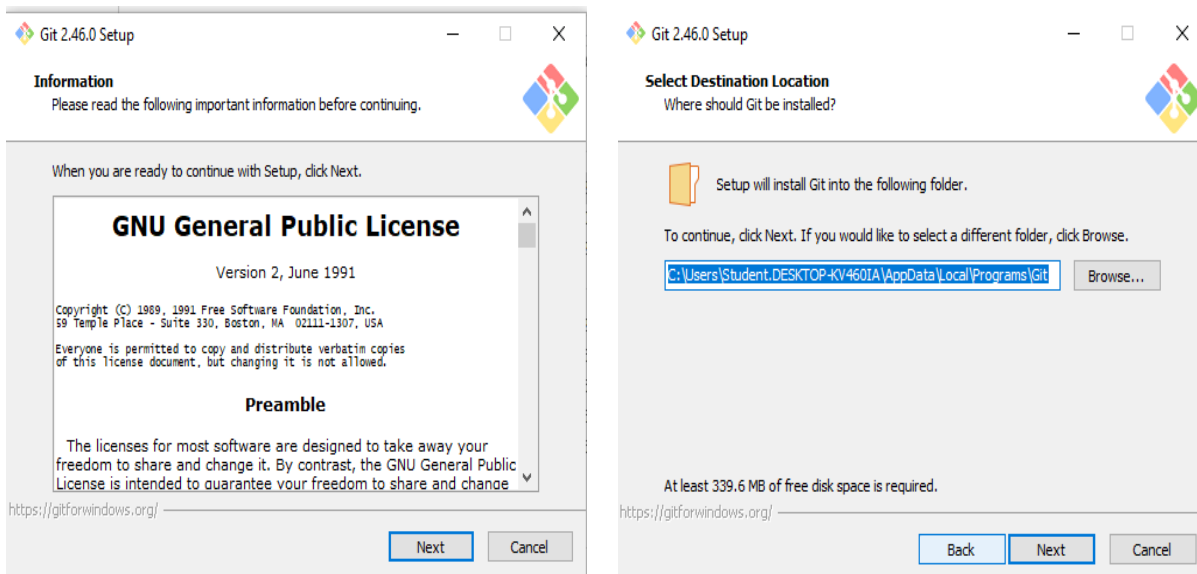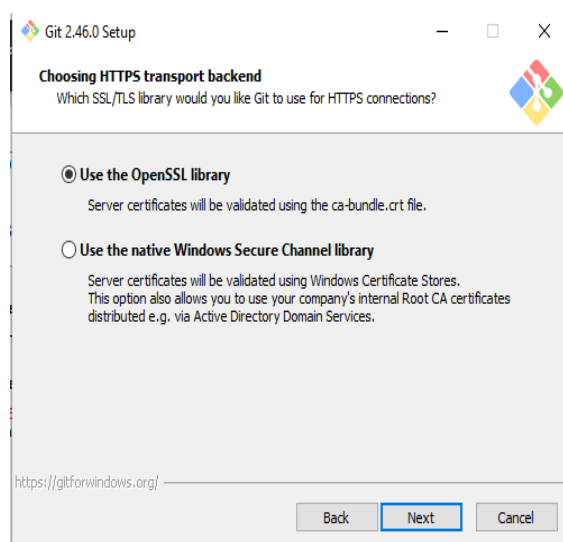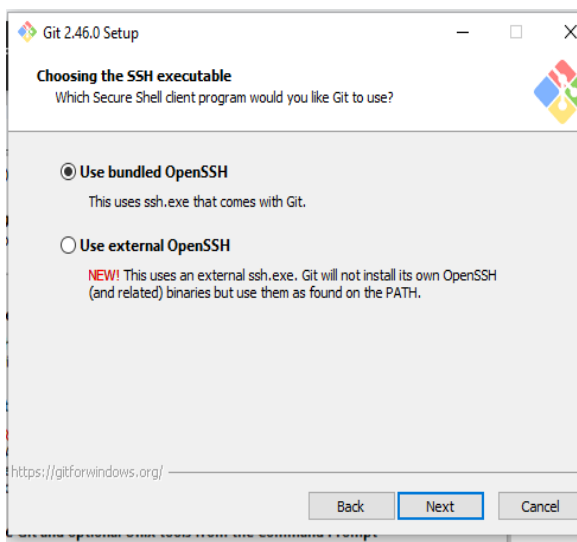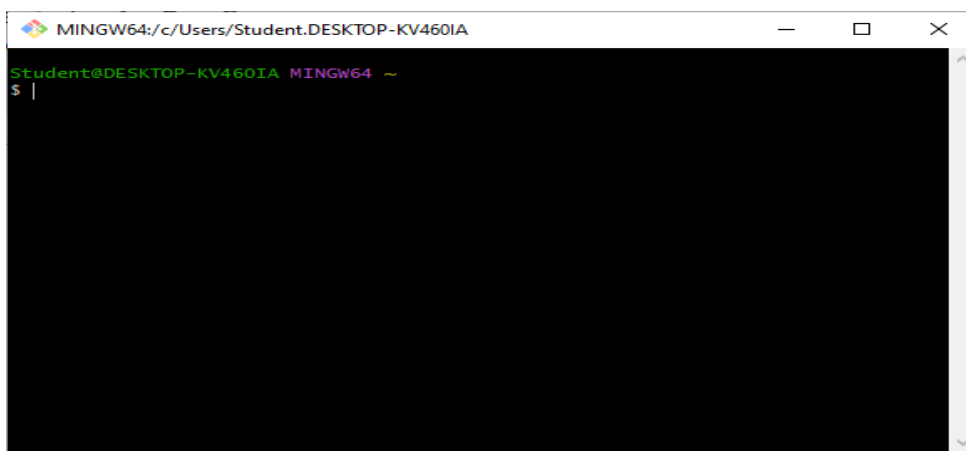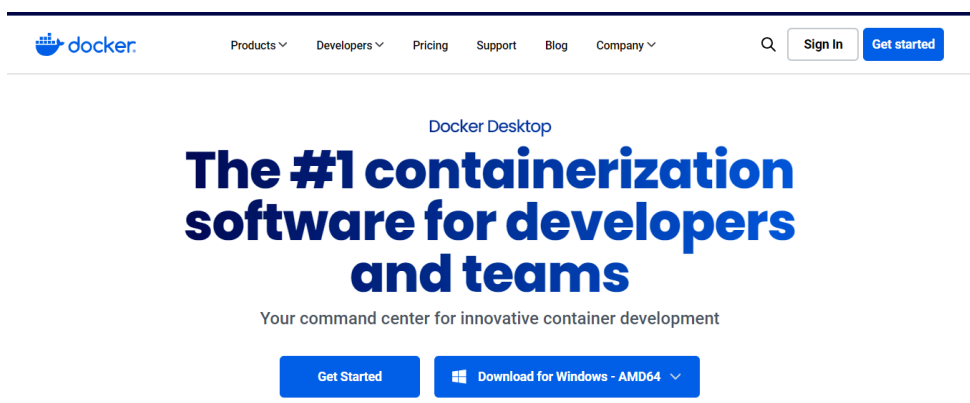
After all such configurations, Git installation is started

After Installation, Git Bash is launched

☐ **Docker Installation**

Enable WSL2 in order to work the docker correctly
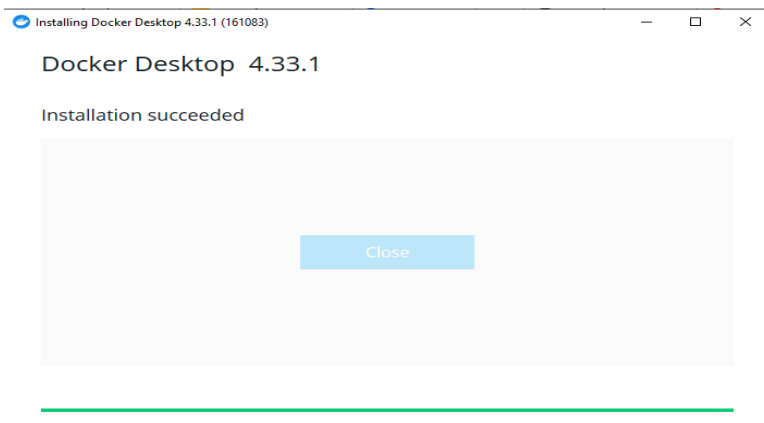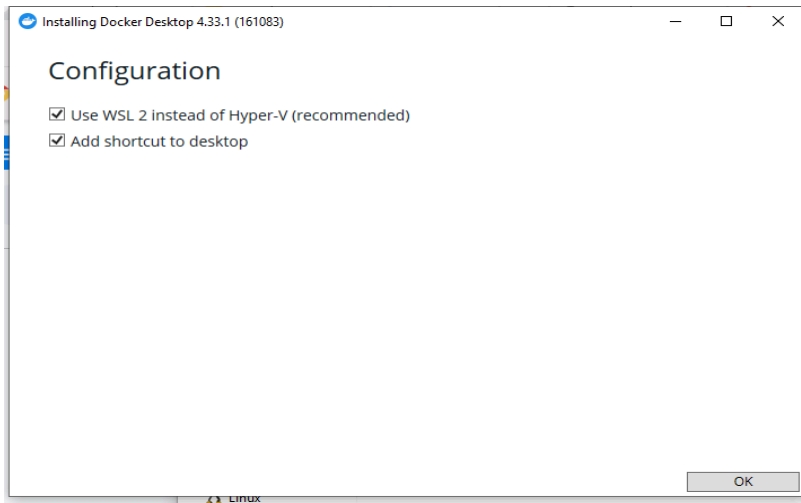
After Docker is installed, homepage will look like these
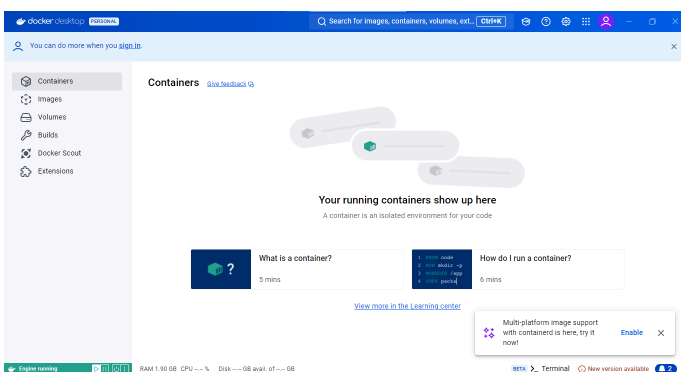
We can ensure whether docker is downloaded successfully or not by command "docker
–version"

☐ **Jenkins Installation**

Launch the Jenkins exe file downloaded

Set the path for Jenkins all workspaces and jobs
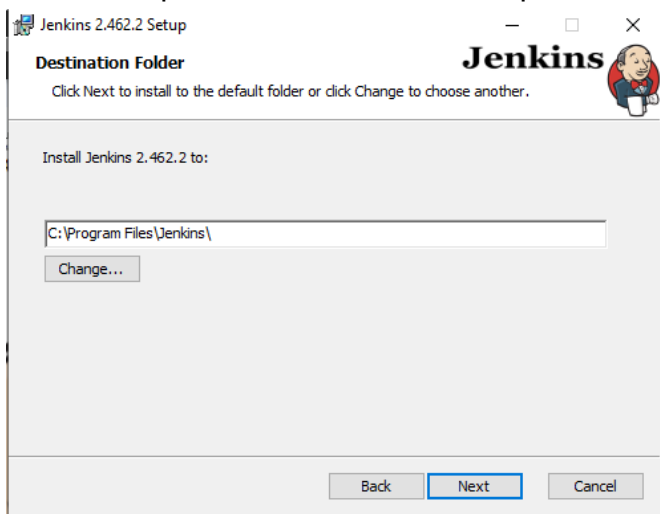
Select "Run service as a LocalSystem" to start Jenkins locally
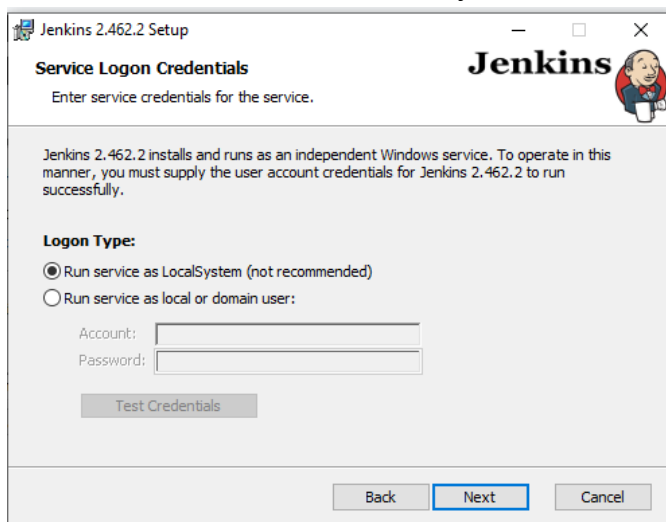
Choose a port on which you want Jenkins to work.(By default it is 8080)
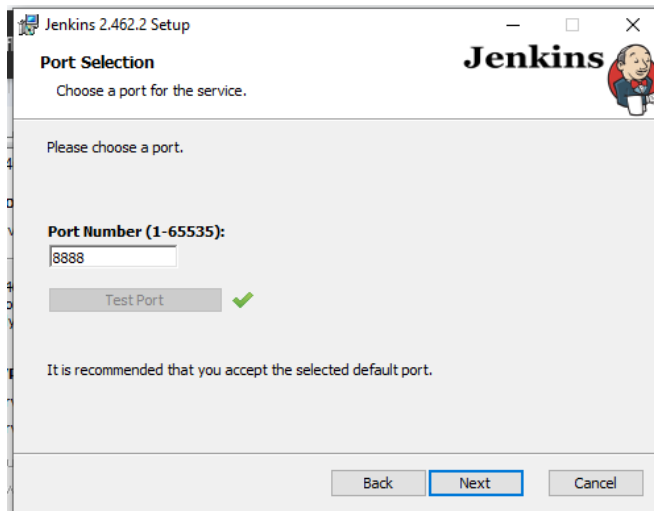
Set up the latest Java directory
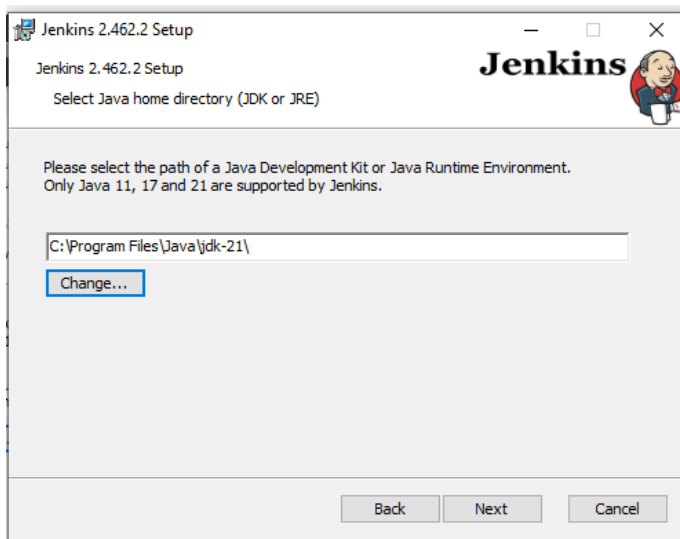
Click Install to begin the installation process

Once it is installed, go to http://localhost:8888 , where we first need to setup the Jenkins

Install selected plugins, which will install all necessary plugins during installation only

Set up the configuration details

Getting Started

Create First Admin User

Username

jenkins

Password

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Confirm password

····

Jenkins 2.462.2

Skip and continue as admin   Save and Continue
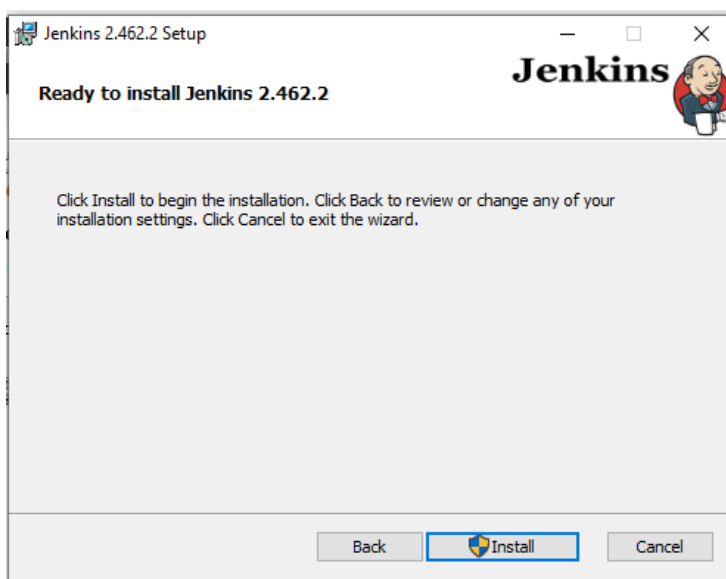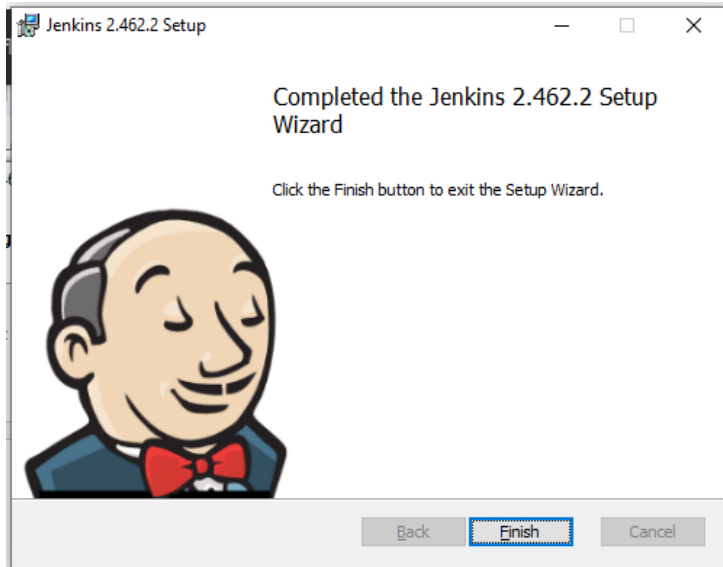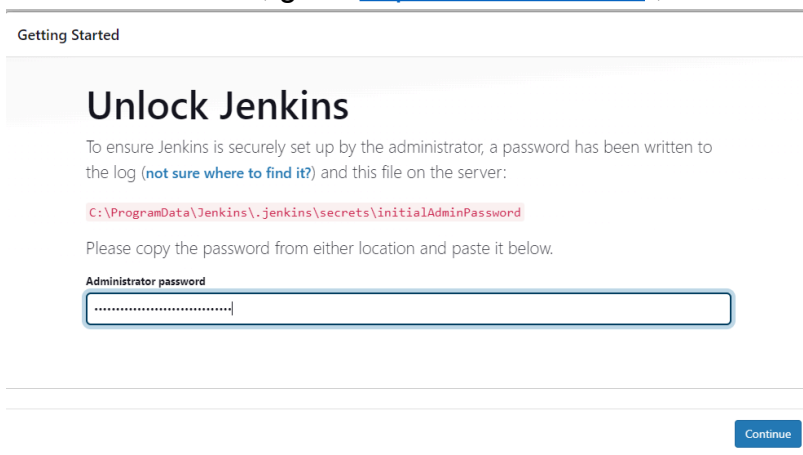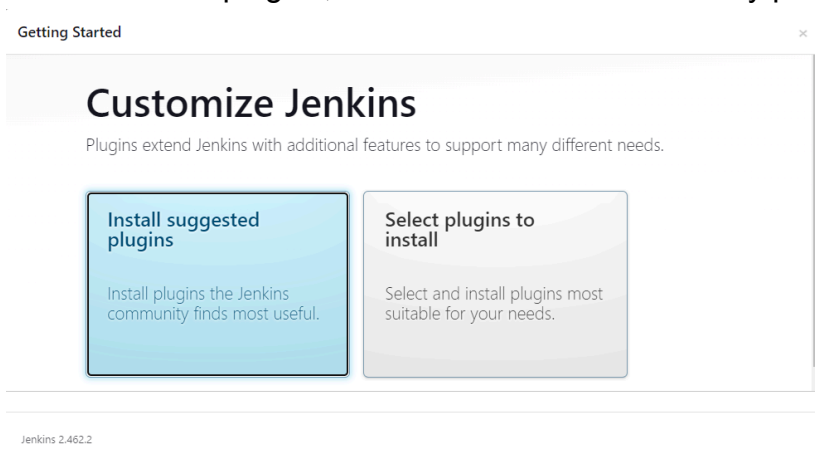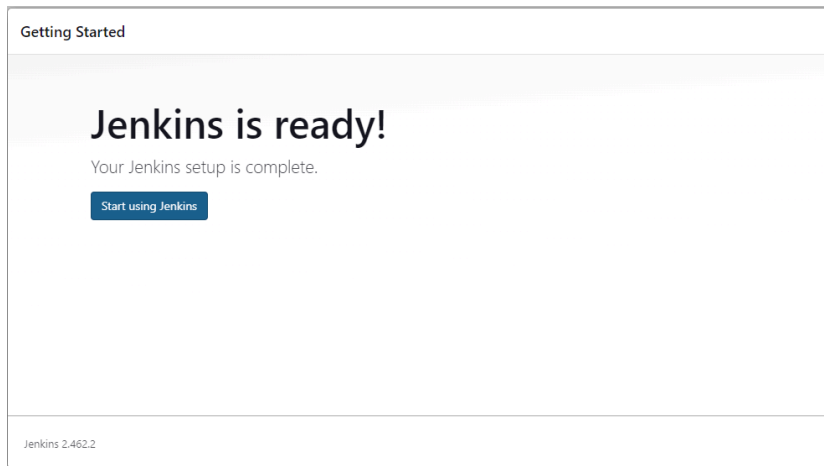

Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

Jenkins 2.462.2

Once, all the setup is ready, you can login with your credentials

Jenkins

Search (CTRL+K)   jenkins exp_7   log out

Dashboard

New Item

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Add description

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job   +

Set up a distributed build

Set up an agent

Configure a cloud