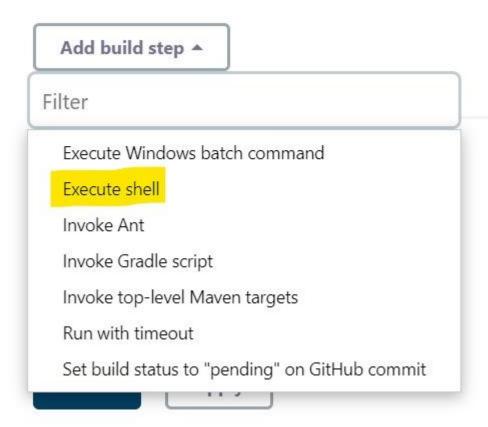**Day 22 Task:**

Getting Started with Jenkins

Tasks:

1. What you understood in Jenkin, write a small article in your own words (Don't copy from Internet Directly)

➔ Jenkins is a tool that helps software developers streamline their development process. It helps to automate tasks such as testing, building, delivering and deploying code. Jenkins is a platform that can be used on any operating system, including Windows and Linux.

- Continuous integration (CI) and continuous delivery (CD) are two terms used in software development. CI is the practice of constantly merging development work with the main branch of code, while CD is the continuous delivery of code to an environment for review and inspection.
- To use Jenkins, you will first need to install Java on your system. This guide uses OpenJDK for the Java environment. Once Java is installed, you will then add the Jenkins software repository to your system and install Jenkins.
- To set up Jenkins, you will need to open port 8080 on your system. This can be done through a firewall or by allowing port 8080 in your security groups. Finally, you can access Jenkins through a web browser by navigating to your server's IP address or domain name followed by :8080.
- With Jenkins, developers can automate their development workflow and ensure that their code is constantly updated and free of errors.

2.Create a freestyle pipeline to print "Hello World!!

➔

Enter an item name

Hello_World

» *Required field*

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.

Description

This is the First Job of the Project.

[Plain text] Preview

☐ Discard old builds ?

☐ GitHub project

☐ This project is parameterized ?

☐ Throttle builds ?

☐ Execute concurrent builds if necessary ?

Advanced...

Source Code Management

⦿ None

Build Steps

Add build step ▲

Filter

Execute Windows batch command

<mark>Execute shell</mark>

Invoke Ant

Invoke Gradle script

Invoke top-level Maven targets

Run with timeout

Set build status to "pending" on GitHub commit

Build Steps

≡ **Execute shell** ?   ✕

Command

See the list of available environment variables

```
echo "Hello World!! We have created our first build in Jenkins"
```

Advanced...

Add build step ▼

Save   Apply