Assignment No 5

AIM: To build Java program using Jenkins.

LO1: To understand the fundamentals of DevOps engineering and be fully proficient with DevOps terminologies, concepts, benefits, and deployment options to meet your business requirements.

LO3: To understand the importance of Jenkins to Build and deploy Software Applications on server environment.

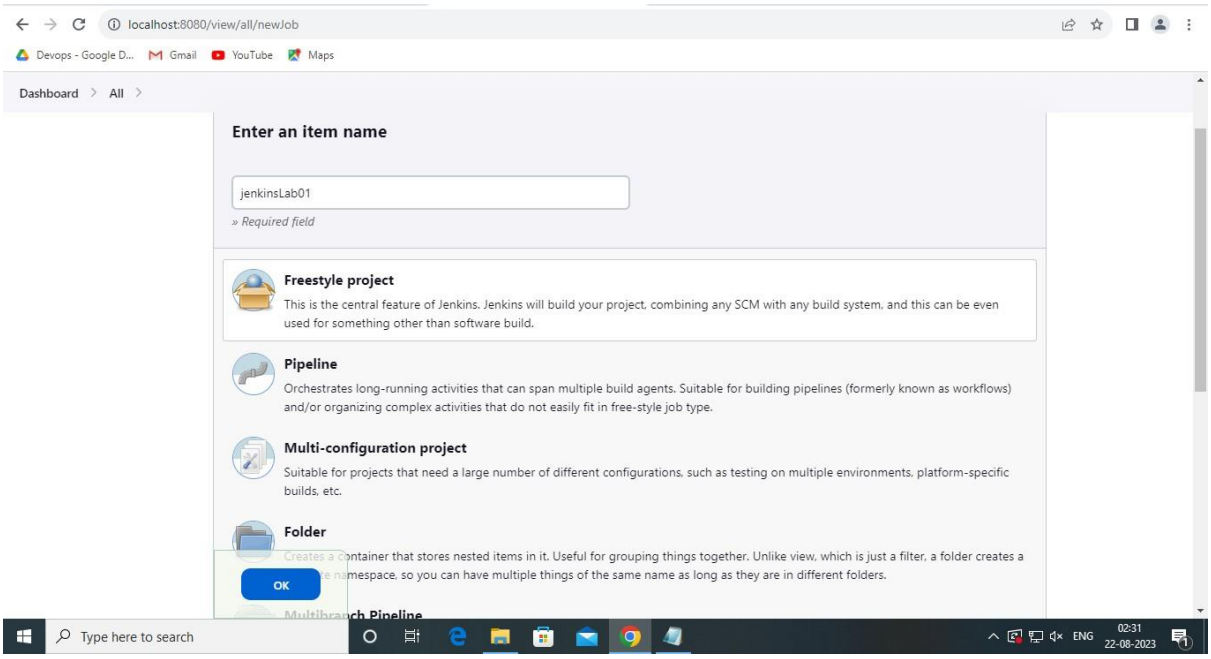
THEORY:

1. Create java Program

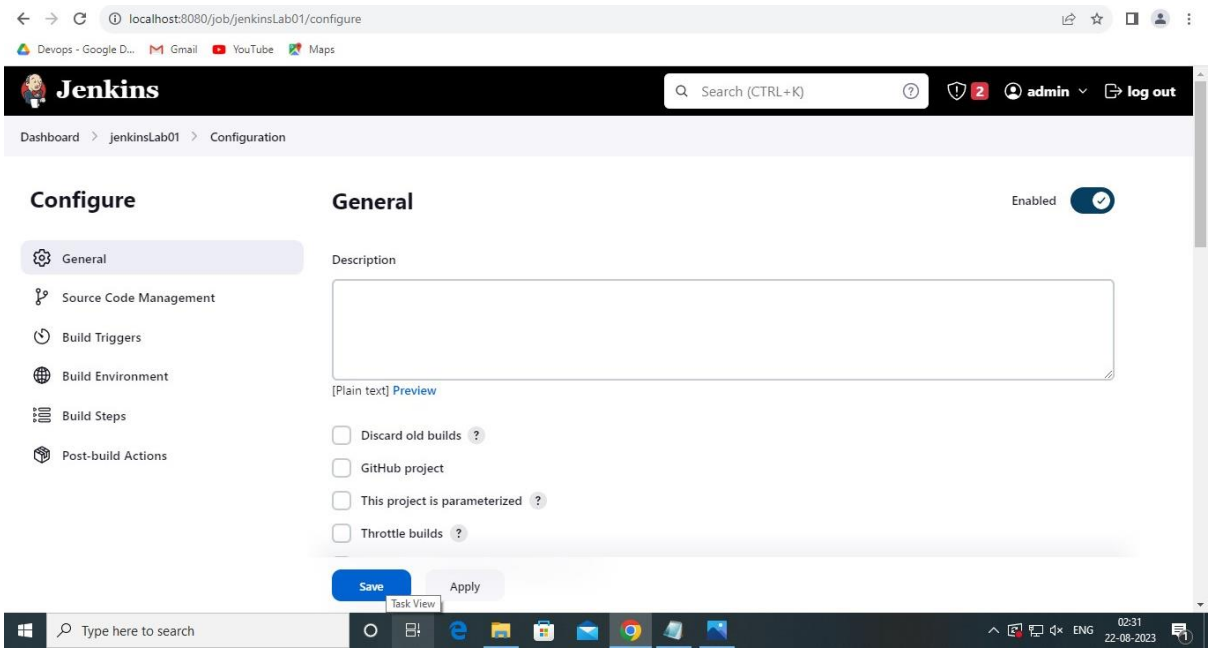
```
class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World!");
    }
}
```

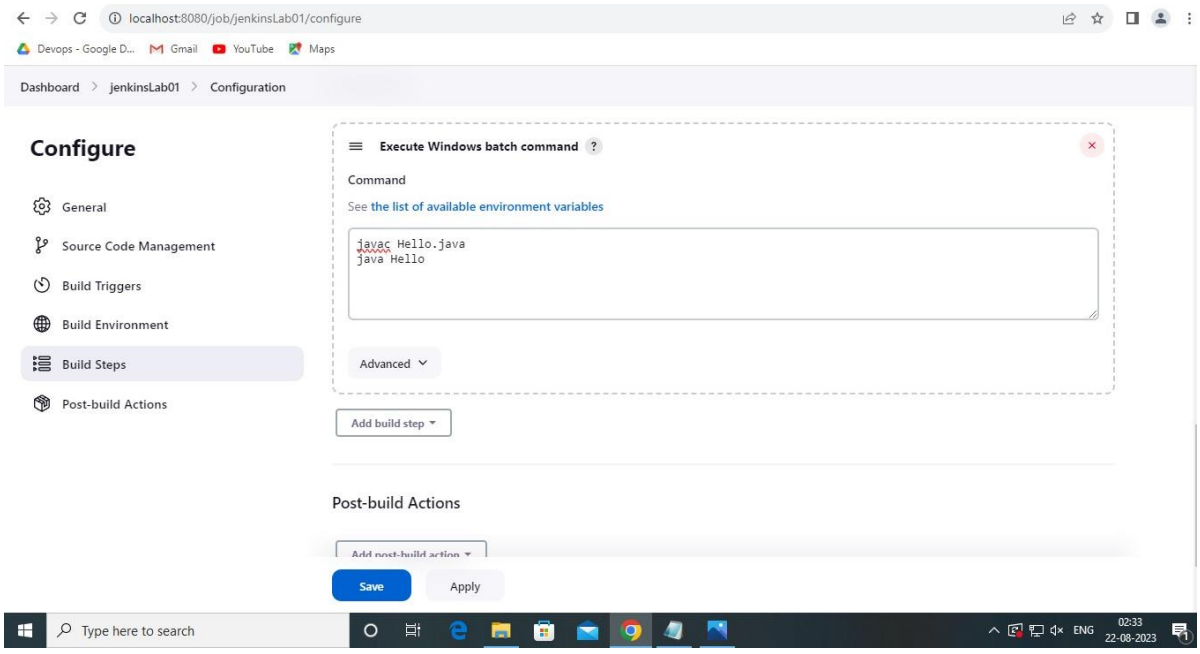
2. Create Jenkins job to run the program

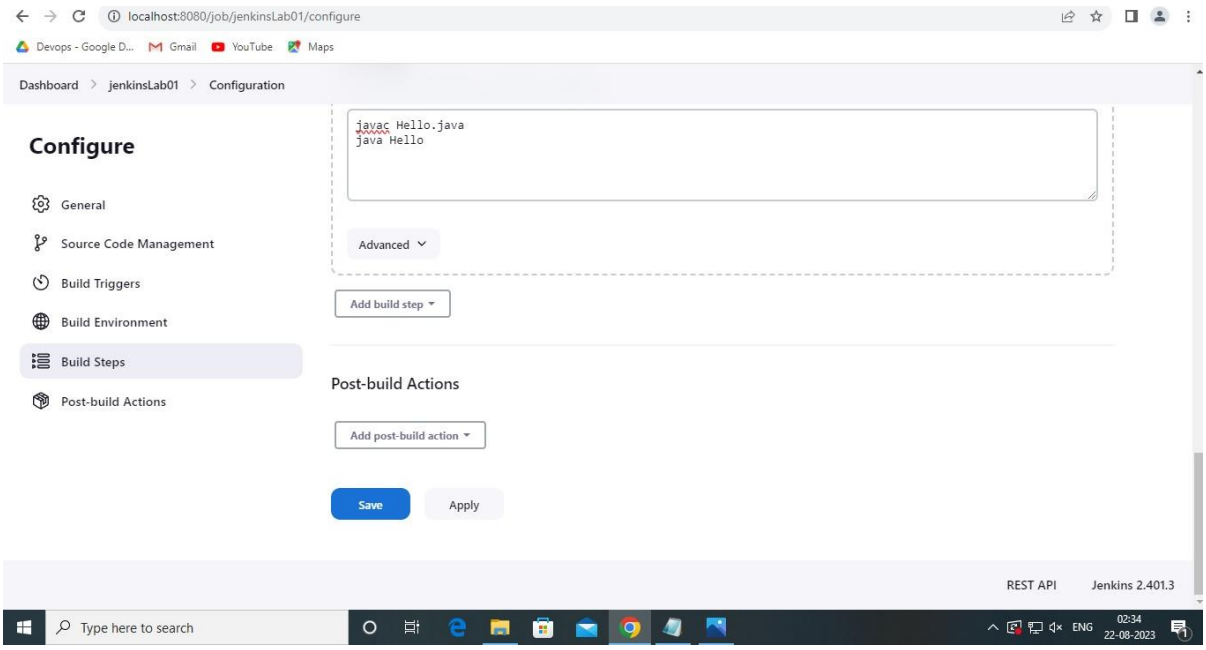
   In this select new item,



Execute windows batch command






localhost:8080/job/jenkinsLab01/configure
Devops - Google D...
Gmail
YouTube
Maps
Dashboard
jenkinsLab01
Configuration
Configure
General
Source Code Management
Build Triggers
Build Environment
Build Steps
Post-build Actions
javac Hello.java
java Hello
Advanced
Add build step
Post-build Actions
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Apply
REST API
Jenkins 2.401.3
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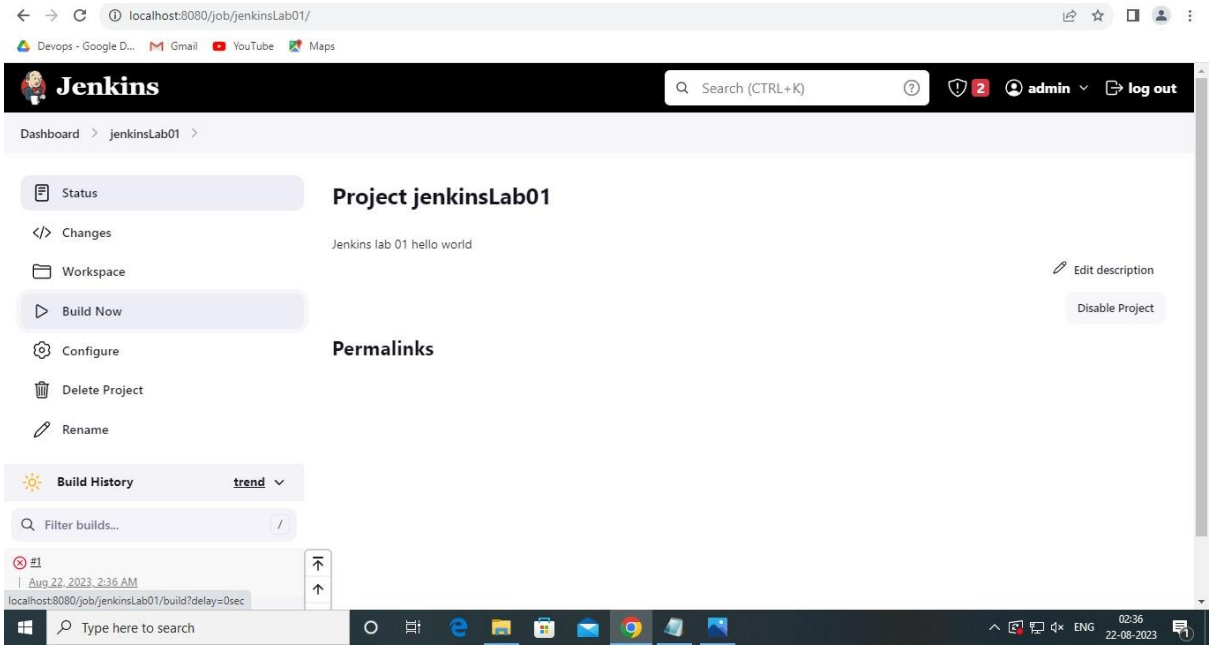
localhost:8080/job/jenkinsLab01/
Devops - Google D...
Gmail
YouTube
Maps
Jenkins
Search (CTRL+K)
admin
log out
Dashboard
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Status
Changes
Workspace
Build Now
Configure
Delete Project
Rename
Build History
trend
Filter builds...
#1
Aug 22, 2023, 2:36 AM
localhost:8080/job/jenkinsLab01/build?delay=0sec
Project jenkinsLab01
Jenkins lab 01 hello world
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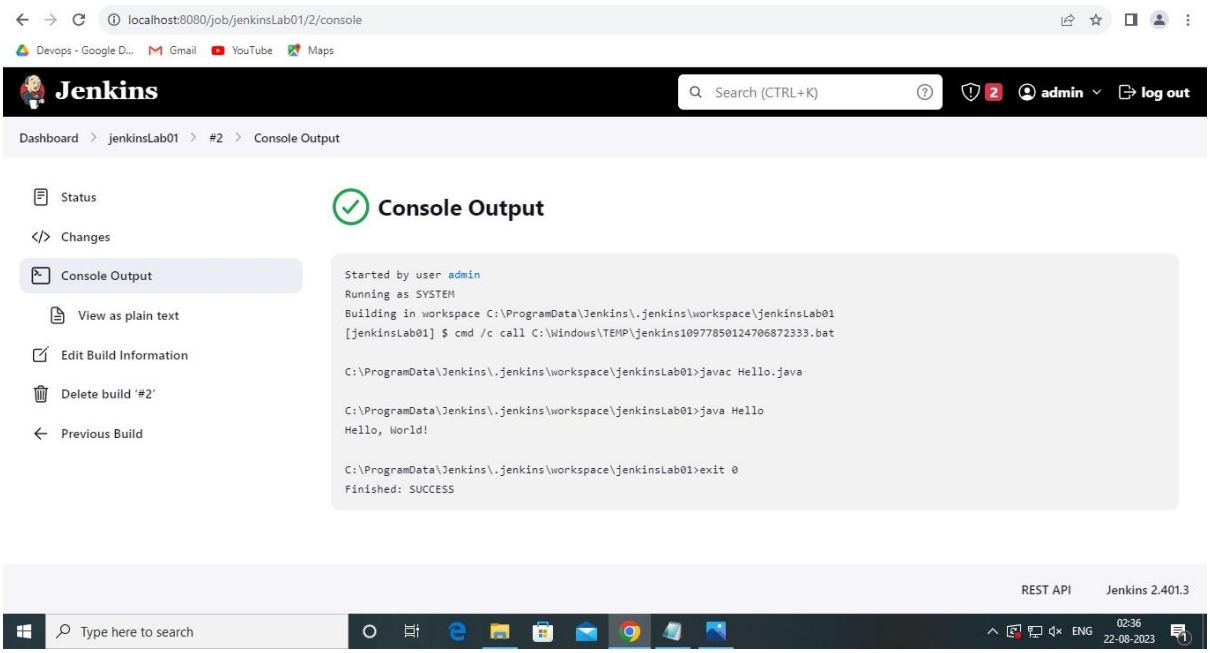

CONCLUSION:

Hence, we successfully built Java programs using Jenkins.