

# Project Documentation: Hello Java Maven

## Project Name:

hello-java-maven

## Description:

This is a basic Java application that prints "Hello, Jenkins + Maven!" to the console. It is built using Maven and configured to run in a Jenkins CI/CD pipeline.

## Project Structure:

hello-java-maven/

```
|—— pom.xml      # Maven project configuration
|—— README.md    # Project readme
|—— src/
|   |—— main/
|       |—— java/
|           |—— HelloWorld.java # Java main class
```

## Technologies Used:

- Java 8
- Maven 3.8.6
- Jenkins (via Docker)
- Git & GitHub
- macOS Terminal

## How to Build:

 **Build Locally with Maven:**

```
mvn clean package
```

### Build Using Jenkins:

1. Jenkins job type: Freestyle Project
2. Source: GitHub repo (optional)
3. Build step: clean package
4. Console Output: should show BUILD SUCCESS

# Jenkins Setup Commands (if using Docker):

## Start Jenkins:

```
docker run -p 8080:8080 -p 50000:50000 --name jenkins \
-v jenkins_home:/var/jenkins_home \
jenkins/jenkins:ls
```

## Get Initial Admin Password:

```
docker exec -it jenkins cat /var/jenkins_home/secrets/initialAdminPassword
```

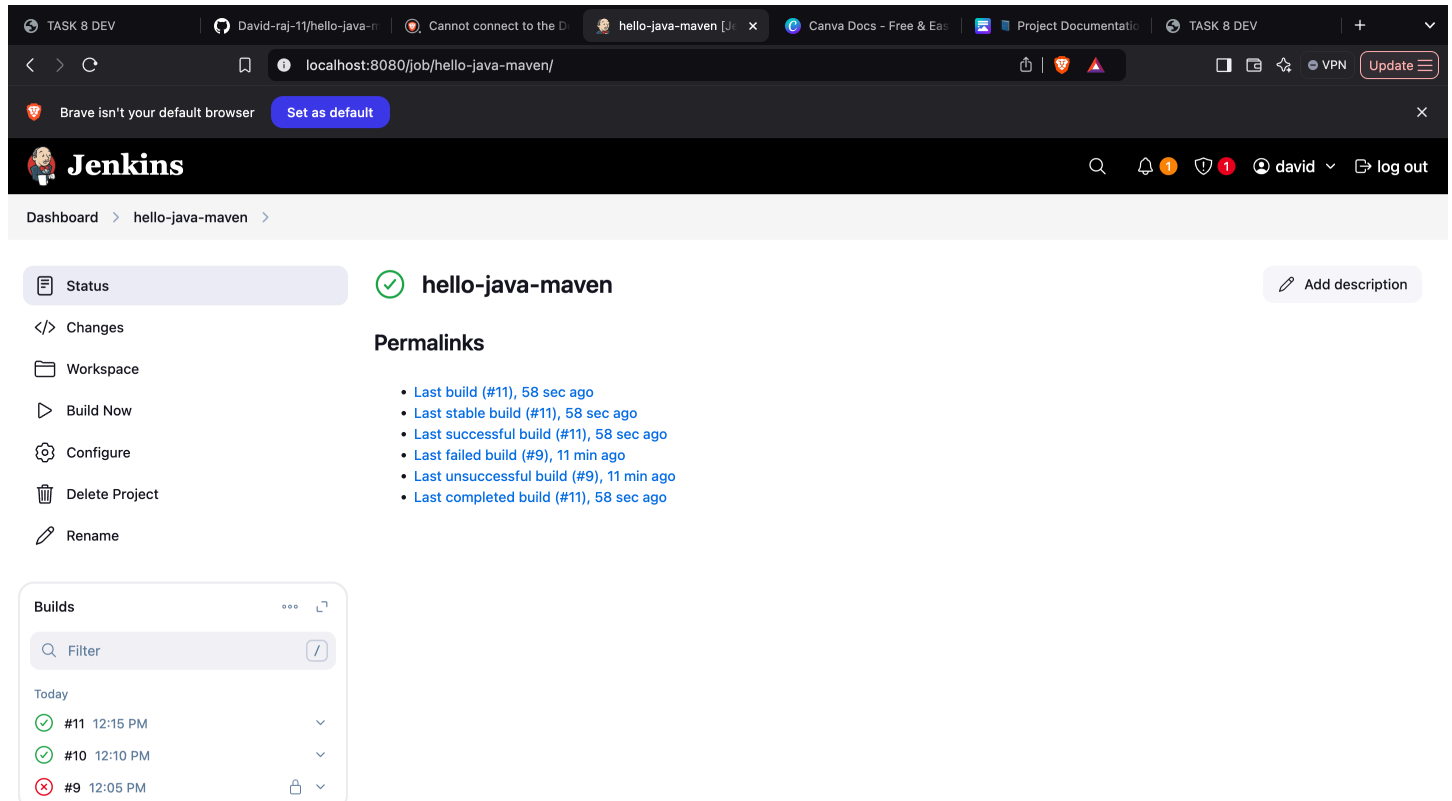
## Author:

David Raj

## Repository:

<https://github.com/David-raj-11/hello-java-maven>.

## SCREENSHOTS :



The screenshot displays the Jenkins web interface in a browser. The top navigation bar shows the Jenkins logo, a search icon, a notification bell with one alert, a shield icon with one alert, a user profile for 'david', and a 'log out' button. The breadcrumb trail indicates the current location: 'Dashboard > hello-java-maven >'. The main content area is divided into two columns. The left column contains a sidebar with navigation links: 'Status' (selected), 'Changes', 'Workspace', 'Build Now', 'Configure', 'Delete Project', and 'Rename'. The right column displays the job configuration for 'hello-java-maven', which is marked as successful with a green checkmark. Below the job name is a section for 'Permalinks' listing various build links: 'Last build (#11), 58 sec ago', 'Last stable build (#11), 58 sec ago', 'Last successful build (#11), 58 sec ago', 'Last failed build (#9), 11 min ago', 'Last unsuccessful build (#9), 11 min ago', and 'Last completed build (#11), 58 sec ago'. At the bottom left, a 'Builds' panel shows a list of recent builds: '#11 12:15 PM' (successful), '#10 12:10 PM' (successful), and '#9 12:05 PM' (failed).

