* **How to deploy java project in jenkins:(simple java hello world program)**
* Go to github
* Click on new
* Enter repository name
* Add readmefile
* Put in public
* Click on create repository
* **Install java and connect java with vs code and install extensions:**
* Go to browser
* Enter oracle java
* Click on java download
* Select windows
* Click on 64bit install java
* Go to downloads and select java
* Install
* Next
* Next
* Finish.
* Go to c drive
* Open program files
* Click on java
* Click on bin
* Copy the path.
* Go to search icon
* Enter environment variables
* Open
* Click on environment variables
* Select path double click
* Click on new
* Copied path paste here.
* Go vs code
* Click on new
* Open folder select java project
* Click on new file
* Enter name hello.java

class Hello {

public static void main (String[] args) {

System.out.println ("Welcome to world");

}

}

* Go to extensions and enter code runner and click on .run install(extensions installed) after
* Click on run and debug
* Go to terminal
* Select new
* Give javac hello.java
* Java hello (.class file created)
* Open aws account connect and connecting with gitbash
* Sudo su
* Git clone <repo url>
* Ls
* Java\_sample\_project\_1 visible here
* Cd java\_sample\_project\_1
* ls
* All files with pom.xml visible here
* **How to create jar file:**
* Mvn clean package
* Build success
* Ls
* Target folder visible and all files
* Cd target/
* Ls
* Jar file visible here
* **How to open Jenkins:**
* Copy public Ip of Jenkins instance and paste it in browser with :8080
* Dashboard opened
* Enter username and password
* Jekins opened
* **How to integrate and configure maven with Jenkins:**
* Click on manage Jenkins
* Click on tools
* Click on Add maven
* Enter maven name
* Apply and save.
* **How to create job or project in Jenkins:**
* Click on new item (enter project name)
* Click on freestyle
* Click on ok
* Give description
* Go to github and copy url of repo
* Click on git and paste repo url
* Give branch name (\*/main)
* Click on build steps
* Click on invoke top level maven targets
* Enter name (maven)
* Give goal (package)
* Click on apply and save
* Click on build now.
* **How to see build succussed or failure output:**
* We will show in left side and right click on job click on console output
* Output will be displayed.

**Output:**

Started by user bhavya sri  
Running as SYSTEM  
Building in workspace /var/lib/jenkins/workspace/java\_first\_project  
The recommended git tool is: NONE  
No credentials specified  
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/java\_first\_project/.git # timeout=10  
Fetching changes from the remote Git repository  
 > git config remote.origin.url https://github.com/bhavyasri-git/java\_sample\_project\_1.git # timeout=10  
Fetching upstream changes from https://github.com/bhavyasri-git/java\_sample\_project\_1.git  
 > git --version # timeout=10  
 > git --version # 'git version 2.47.1'  
 > git fetch --tags --force --progress -- https://github.com/bhavyasri-git/java\_sample\_project\_1.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10  
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10  
Checking out Revision 9b0c7cf8952146304ebdc29797dde268df6bd524 (refs/remotes/origin/main)  
 > git config core.sparsecheckout # timeout=10  
 > git checkout -f 9b0c7cf8952146304ebdc29797dde268df6bd524 # timeout=10  
Commit message: "first commit"  
 > git rev-list --no-walk 9b0c7cf8952146304ebdc29797dde268df6bd524 # timeout=10  
[java\_first\_project] $ /var/lib/jenkins/tools/hudson.tasks.Maven\_MavenInstallation/maven/bin/mvn package  
[INFO] Scanning for projects...  
[INFO]   
[INFO] -----------------------< com.example:helloworld >-----------------------  
[INFO] Building helloworld 1.0-SNAPSHOT  
[INFO] from pom.xml  
[INFO] --------------------------------[ jar ]---------------------------------  
[INFO]   
[INFO] --- resources:3.3.1:resources (default-resources) @ helloworld ---  
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!  
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/java\_first\_project/src/main/resources  
[INFO]   
[INFO] --- compiler:3.8.1:compile (default-compile) @ helloworld ---  
[INFO] No sources to compile  
[INFO]   
[INFO] --- resources:3.3.1:testResources (default-testResources) @ helloworld ---  
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!  
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/java\_first\_project/src/test/resources  
[INFO]   
[INFO] --- compiler:3.8.1:testCompile (default-testCompile) @ helloworld ---  
[INFO] No sources to compile  
[INFO]   
[INFO] --- surefire:3.2.5:test (default-test) @ helloworld ---  
[INFO] No tests to run.  
[INFO]   
[INFO] --- jar:3.4.1:jar (default-jar) @ helloworld ---  
[WARNING] JAR will be empty - no content was marked for inclusion!  
[INFO] ------------------------------------------------------------------------  
[INFO] BUILD SUCCESS  
[INFO] ------------------------------------------------------------------------  
[INFO] Total time: 2.024 s  
[INFO] Finished at: 2025-04-03T11:39:34Z  
[INFO] ------------------------------------------------------------------------  
Finished: SUCCESS