

pg -7

wsl --install

wsl.exe -d Ubuntu(optional)

sudo apt update

sudo install ansible

nano inventory

[local]

localhost ansible\_connection=local

nano playbook.yml

name: aditya

hosts: local

tasks:

- name: demo

debug:

msg: print hello world

ansible -playbook -i inventory playbook.yml

pg --2

```
mvn archetype:generate -DgroupId=com.example -DartifactId=demo13 -  
DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
```

```
cd demo13
```

```
mvn compile
```

```
mvn test
```

```
mvn package
```

```
java -cp target/demo13-1.0-SNAPSHOT.jar com.example.App
```

pg -3

make a file and open the terminal

```
gradle init
```

```
gradle build
```

```
gradle run
```

```
gradle test
```

pg-4

\* create mun project

gradle init

in build code

id'application'

next in code

application {

mainClass='com.example.App'

}

pg 8

step 1 make mavan project

open the terminal from the file to push it

Step 2. Push Project to GitHub:

❓ Initialize Git, add remote, commit and push:

```
git init
```

```
git add .
```

```
git commit -m "Initial commit"
```

```
git branch -M main
```

```
git remote add origin <GitHub_Repo_URL>
```

```
git push -u origin main
```

next :

: Jenkins CI Setup for Maven Project

```
clean compile test package
```

```
{
```

```
java -cp target/file name-1.0-SNAPSHOT.jar com.example.App
```

Archive the Artifact:

❓ Post-build action: Select Archive the artifacts, and give:

```
target/*.jar }
```

open terminal

Step 3. Install Ansible in WSL (Ubuntu):

```
wsl --install
```

```
❏ mkdir ansible-lab
```

```
❏ cd ansible-lab
```

```
❏ nano inventory.ini
```

```
[local]
```

```
localhost ansible_connection=local
```

save karo and exist

```
nano deploy.yml
```

```
{
```

```
- name: Deploy JAR
```

```
  hosts: local
```

```
  become: true
```

```
  tasks:
```

```
    - name: Copy JAR file
```

```
      copy:
```

```
        src: /mnt/c/Users/Aditya Kumar/demo15/target/demo15-1.0-SNAPSHOT.jar
```

dest: /mnt/c/Users/Aditya Kumar/adi/app.jar

mode: '0755'

- name: Run JAR file

shell: nohup java -jar "/mnt/c/Users/Aditya Kumar/adi/app.jar" > "/mnt/c/Users/Aditya Kumar/adi/app.log" 2>&1 &

}

save and exit

ansible-playbook -i inventory.ini deploy.yml -K

cat app.log

step 4:

delete the target from the file

change the prom command

<build>

<plugins>

<plugin>

<artifactId>maven-jar-plugin</artifactId>

```
<version>3.1.0</version>
<configuration>
  <archive>
    <manifest>
      <addClasspath>true</addClasspath>
      <mainClass>com.example.App</mainClass>
    </manifest>
  </archive>
</configuration>
</plugin>
</plugins>
</build>
```

step 5: open the terminal inside the folder

mvn compile

mvn test

mvn package

git config --global user.name "Your Name"

git config --global user.email "you@example.com"

git add .

```
git commit -m "hsh"
```

```
git push origin main
```

step 6: open ubuntu terminal

```
cd filename
```

```
ansible-playbook -i inventory.ini deploy.yml -K
```

```
cat app.log
```