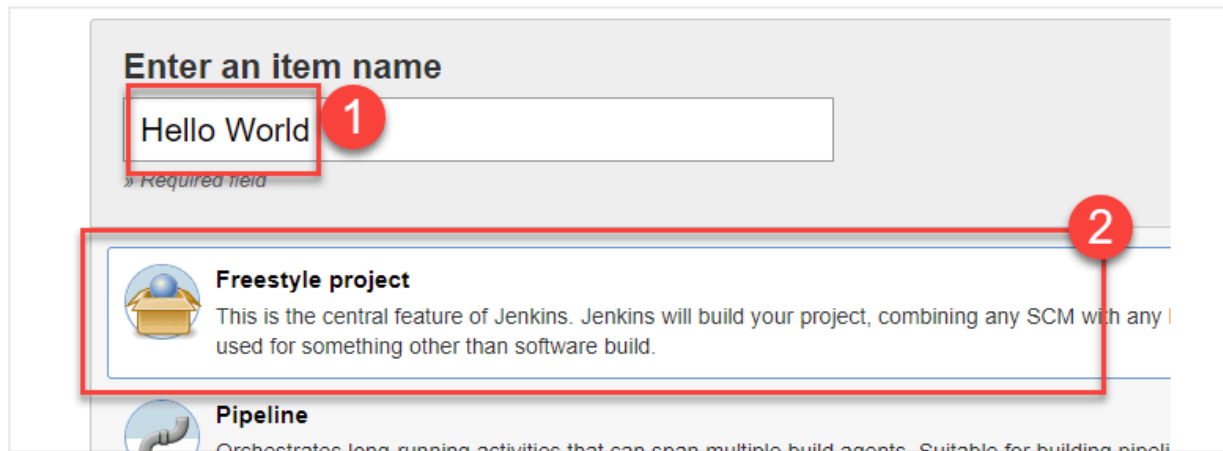


### Step 3) Enter Item details

In the next screen,

1. Enter the name of the item you want to create. We shall use the “Hello world” for this demo.
2. Select Freestyle project
3. Click Okay



GeneralSource Code ManagementBuild TriggersBuild EnvironmentBuildPost-build Actions

Description

Hello world java test program

[Plain text] Preview

☐ Discard old builds

☐ GitHub project

☐ This project is parameterized

☐ Throttle builds

☐ Disable this project

☐ Execute concurrent builds if necessary

?

?

?

?

?

Advanced...

Configure

General

Enabled

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Description

spring-boot mysql job

[Plain text] Preview

☐ Discard old builds ?

☐ GitHub project

☐ This project is parameterized ?

☐ Throttle builds ?

☐ Execute concurrent builds if necessary ?

Advanced

### Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ? ✕

Credentials ?

▼

ashboard > spring-boot-mysql-war-job > Configuration

### Configure

- General
- Source Code Management**
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

☒ Git ?

Repositories ?

Repository URL ? ✕

Credentials ?

▼

Branches to build ?

Branch Specifier (blank for 'any') ? ✕

← **jenkins default uses git branch \*/master, but for github is \*/main as master branch**

#### Branches to build ?

Branch Specifier (blank for 'any') ?

\*/main

Add Branch

#### Repository browser ?

(Auto)

#### Additional Behaviours

Add ▾

#### Build Triggers

- ☐ Trigger builds remotely (e.g., from scripts) ?
- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub hook trigger for GITScm polling ?
- ☒ Poll SCM ?

Configure Jenkins to poll changes in SCM.

Note that this is going to be an expensive operation for CVS, as every polling requires Jenkins to scan the entire workspace and verify it with the server. Consider setting up a "push" trigger to avoid this overhead, as described in [this document](#)

Schedule ?

\* \* \* \* \*

⚠ Do you really mean "every minute" when you say "\* \* \* \* \*"? Perhaps you meant "H \* \* \* \* \*" to poll once per hour

Would last have run at Wednesday, September 20, 2023 at 10:43:09 AM Pacific Daylight Time; would next run at Wednesday, September 20, 2023 at 10:43:09 AM Pacific Daylight Time.

- ☐ Ignore post-commit hooks ?

### Build Environment

☒ Delete workspace before build starts

Advanced ▾

☐ Use secret text(s) or file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

---

### Build Steps

≡ Invoke top-level Maven targets ?

Maven Version

maven3.5.4 ▾

Goals

clean compile install ▾

Advanced ▾

Add build step ▾

localhost:8080/job/spring-boot-mysql-war-job/configure

Dashboard > spring-boot-mysql-war-job > Configuration

### Configure

- General
- Source Code Management
- Build Triggers
- Build Environment**
- Build Steps
- Post-build Actions

☒ Delete workspace before build starts

Advanced ▾

☐ Use secret text(s) or file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

---

### Build Steps

≡ Invoke top-level Maven targets ?

Maven Version

maven3.5.4 ▾

Goals

clean compile install ▾

Save Apply

I configured Jenkins is using local maven 3.5.4 , see the next picture : globel-configure-local-maven.png

```
+ @angular/cli@12.2.17
added 184 packages from 154 contributors in 6.133s
[jianzhang@jianzhang-MacPro:~]$ mvn -version
Apache Maven 3.5.4 (1eddd8938998edf8bf061f1ceb3cfdeccf443fe; 2018-06-17T11:33:14-07:00)
Maven home: /usr/local/Cellar/maven/3.5.4/libexec
```

The screenshot shows the Jenkins 'Global Tool Configuration' page for Maven. The breadcrumb navigation at the top is 'Dashboard > Manage Jenkins > Global Tool Configuration', with 'Global Tool Configuration' highlighted. The page title is 'Maven'. Below the title, there is a section 'Maven installations' with a sub-header 'List of Maven installations in this order'. An 'Add Maven' button is present, with a red arrow pointing to it and the annotation 'First of all add maven button'. Below this, a form for adding a new Maven installation is shown. The 'Maven Name' field contains 'maven3.5.4', and the 'MAVEN\_HOME' field contains '/usr/local/Cellar/maven/3.5.4/libexec'. A red arrow points to both fields with the annotation 'type two places'. The 'Install automatically' checkbox is unchecked, with a red arrow pointing to it and the annotation 'Must uncheck it first'. At the bottom of the form are 'Save' and 'Apply' buttons. An inset terminal window is overlaid on the right side of the page, showing the command 'mvn -version' and its output, which matches the text in the first block. A red arrow points from the terminal window to the 'MAVEN\_HOME' field with the annotation 'How to find local maven home directory'.

How to find local maven home directory

```
jianzhang@jianzhang-MacPro:~$ mvn -version
Apache Maven 3.5.4 (1eddd8938998edf8bf061f1ceb3cfdeccf443fe; 2018-06-17T11:33:14-07:00)
Maven home: /usr/local/Cellar/maven/3.5.4/libexec
Java version: 11.0.20, vendor: Oracle, runtime: /usr/local/Cellar/openjdk/11.0.20/libexec/openjdk.jdk/Contents/Home
Default locale: en_US, platform encoding: UTF-8
OS name: 'mac os x', version: '18.0.2', arch: 'x86_64', family: 'mac'
jianzhang@jianzhang-MacPro:~$ cd /usr/local/Cellar/maven/3.5.4/libexec
jianzhang@jianzhang-MacPro:~/usr/local/Cellar/maven/3.5.4/libexec$ ls
bin  conf  conf  lib
jianzhang@jianzhang-MacPro:~/usr/local/Cellar/maven/3.5.4/libexec$
```

How to configure jenkins to run local maven

First of all add maven button

type two places

Must uncheck it first

**Post-build Actions**

**Deploy war/ear to a container**

WAR/EAR files ?

`**/*.war`

Context path ?

`spring-boot-mysql-war`

Containers

**Tomcat 9.x Remote**

Credentials

admin user for source code management

Add

Tomcat URL ?

`http://localhost:8081/`

Advanced

Add Container

## Config tomcat home in .bash\_profile

```
jianzhang@jianzhang-MacPro:~$ echo $TOMCAT_HOME
/Users/jianzhang/apache-tomcat-9.0.73
jianzhang@jianzhang-MacPro:~$
```

### Jenkins Credentials Provider: Jenkins

#### Add Credentials

Domain

Global credentials (unrestricted) ▼

Kind

Username with password ▼

Scope ?

Global (Jenkins, nodes, items, all child items, etc) ▼

Username ?

admin

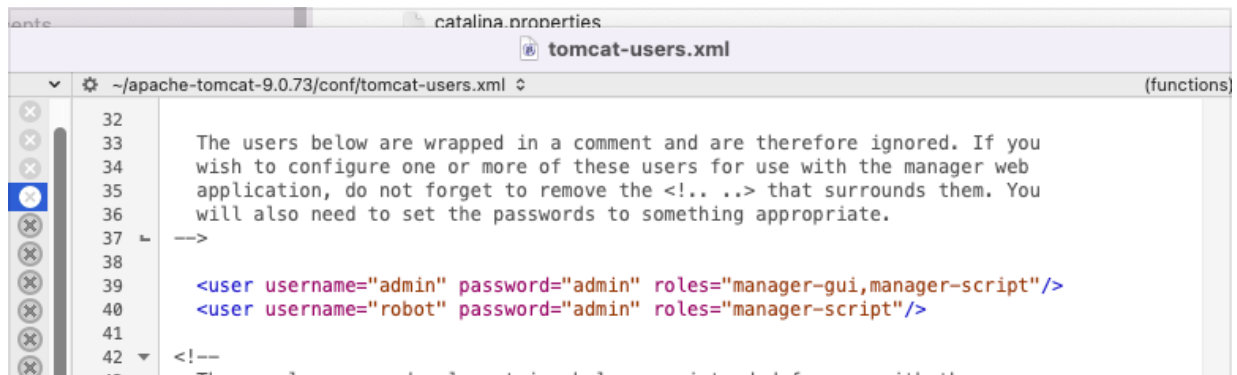
☐ Treat username as secret ?

Password ?

.....

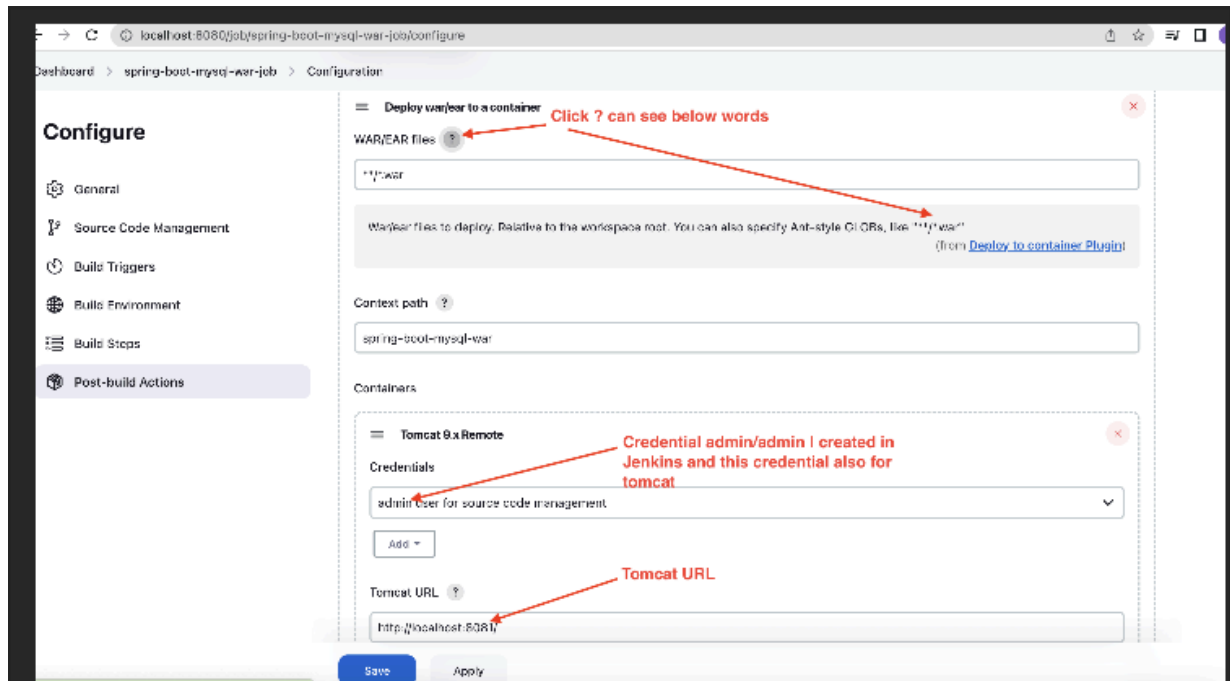
ID ?

config admin user in tomcat-users.xml



```
32
33
34 The users below are wrapped in a comment and are therefore ignored. If you
35 wish to configure one or more of these users for use with the manager web
36 application, do not forget to remove the <!-- --> that surrounds them. You
37 will also need to set the passwords to something appropriate.
38 -->
39 <user username="admin" password="admin" roles="manager-gui,manager-script"/>
40 <user username="robot" password="admin" roles="manager-script"/>
41
42 <!--
43 The sample user and role entries below are intended for use with the
```





config server.xml 8081

