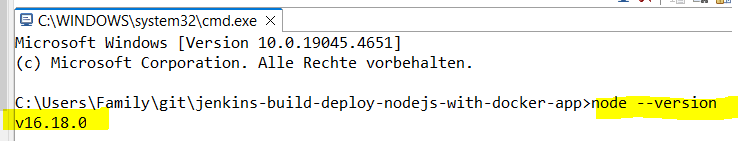
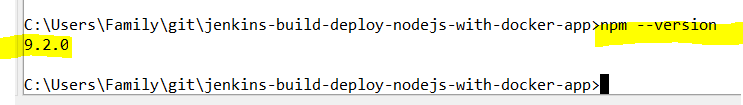
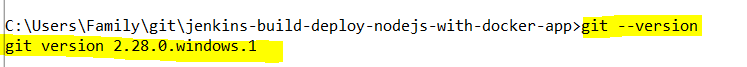
**BUILD AND TEST NODE.JS APP**

C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>node –version  


C:\Program Files\Jenkins>where node  
C:\Program Files\nodejs\node.exe  


C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>npm --version



C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>git –version 

C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>where git  
🡪 C:\Users\Family\AppData\Local\Programs\Git\cmd\git.exe

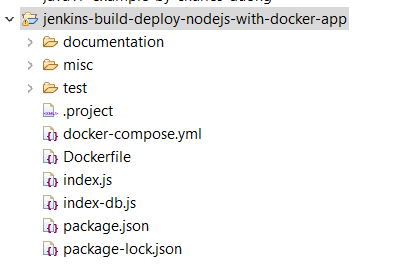


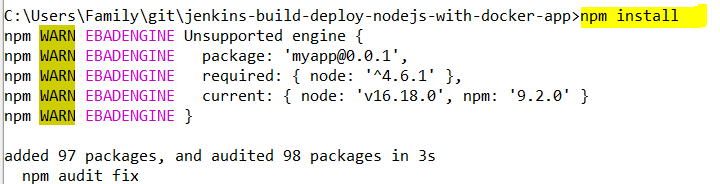
C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>where cmd  
C:\Windows\System32\cmd.exe



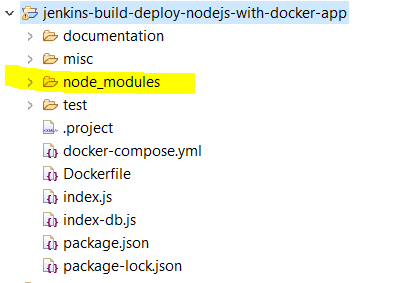
BUILD AND RUN NODE.JS

* node modules not yet installed

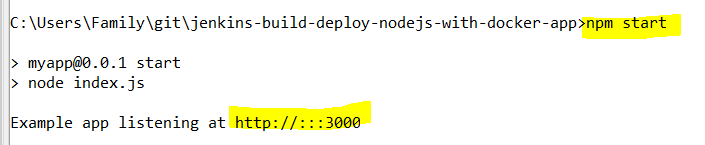


C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>npm install****

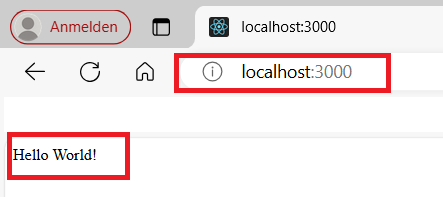
🡪 node module installed



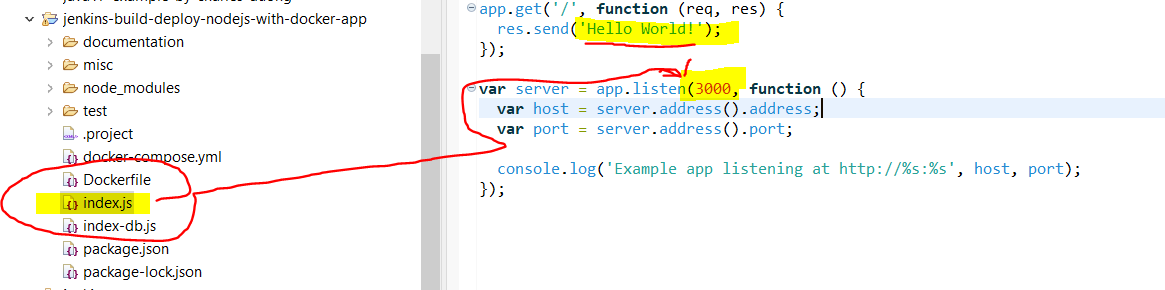
**C:\Users\Family\git\jenkins-build-deploy-nodejs-with-docker-app>npm start  
> myapp@0.0.1 start  
> node index.js   
Example app listening at http://:::3000**



**ON BROWSER**

****

**See index.js 🡪 “Hello World”**

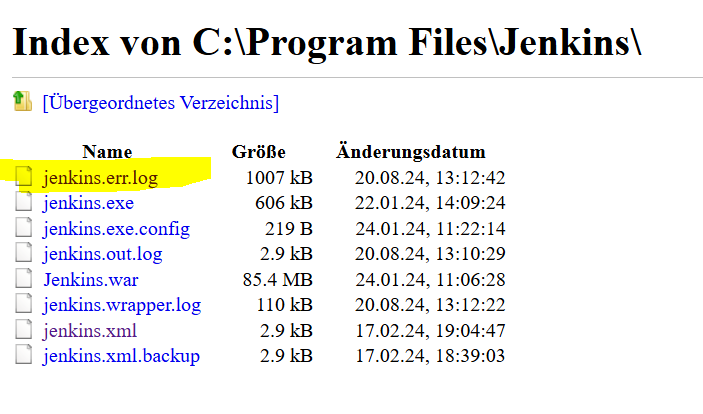


**START JENKINS**

**HOW TO START, RESTART, STOP Jenkins on Window 10**

I have extracted zip file and installed Jenkins on Windows 10 successfully.   
Jenkins runs at http://localhost:8080/ well.   
How can I do that? What's the way to start, restart and stop through console/command line?

On Windows, open Console/Command line --> Go to your Jenkins installation directory (very likely cd "C:\Program Files\Jenkins\"). Execute the following commands respectively:



**cd C:\Program Files\Jenkins\**

**to stop:  
.\jenkins.exe stop**

**to start:  
.\jenkins.exe start**

**to restart:  
.\jenkins.exe restart**

Jenkins start

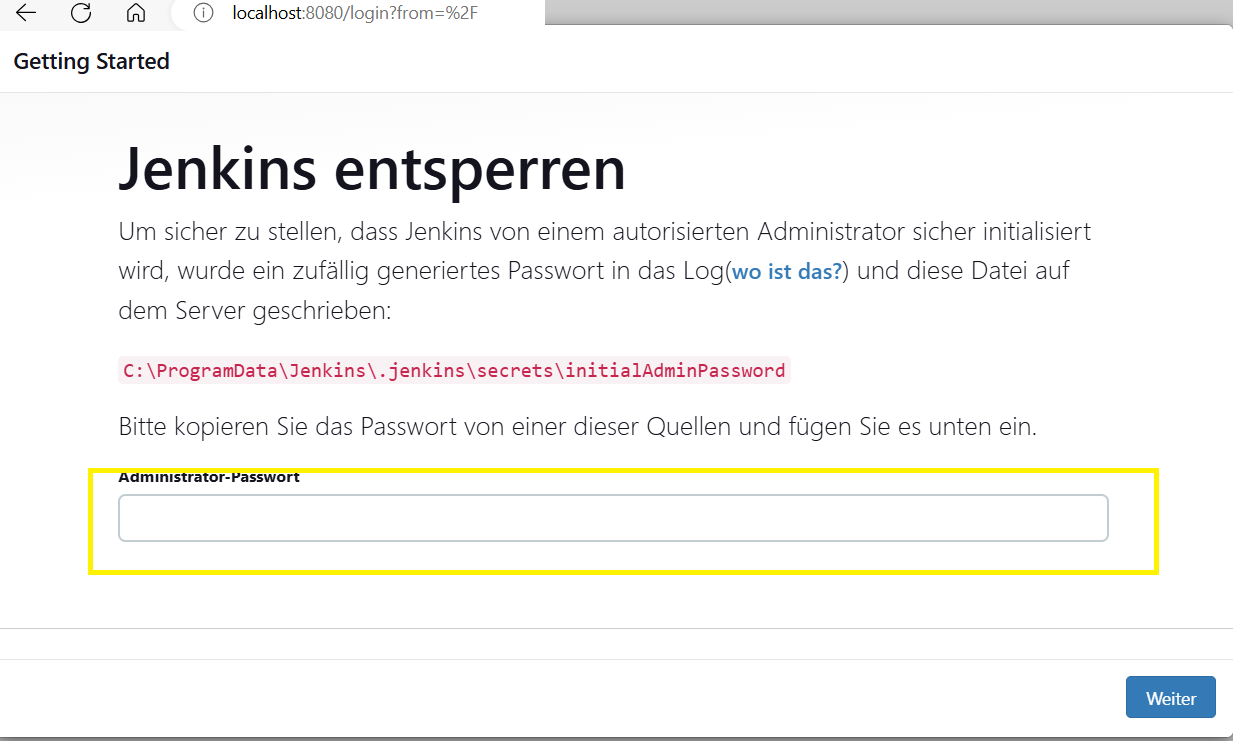
C:\Users\Family\git\jenkins-demo-with-node-js-react-npm-app>cd C:\Program Files\Jenkins  
C:\Program Files\Jenkins>dir



C:\Program Files\Jenkins>.\jenkins.exe start



* <http://localhost:8080/login?from=%2F>

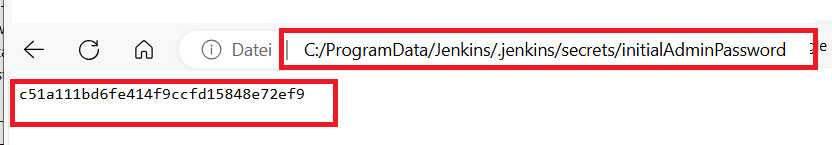




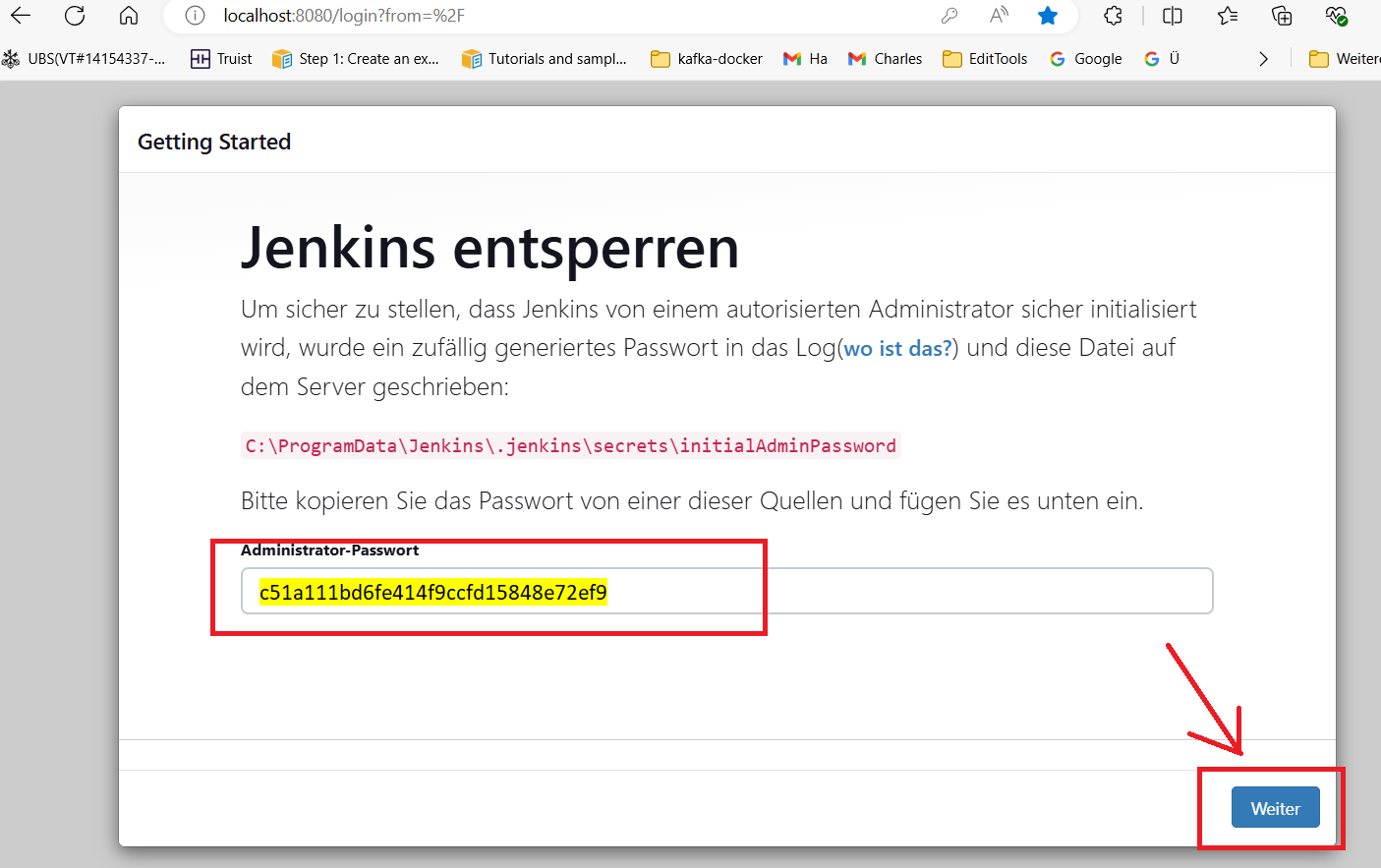
In Jenkins.err.log file contains the Jenkins login password as shown below:

Jenkins initial setup is required. An admin user has been created and a password generated.  
Please use the following password to proceed to installation:  
c51a111bd6fe414f9ccfd15848e72ef9

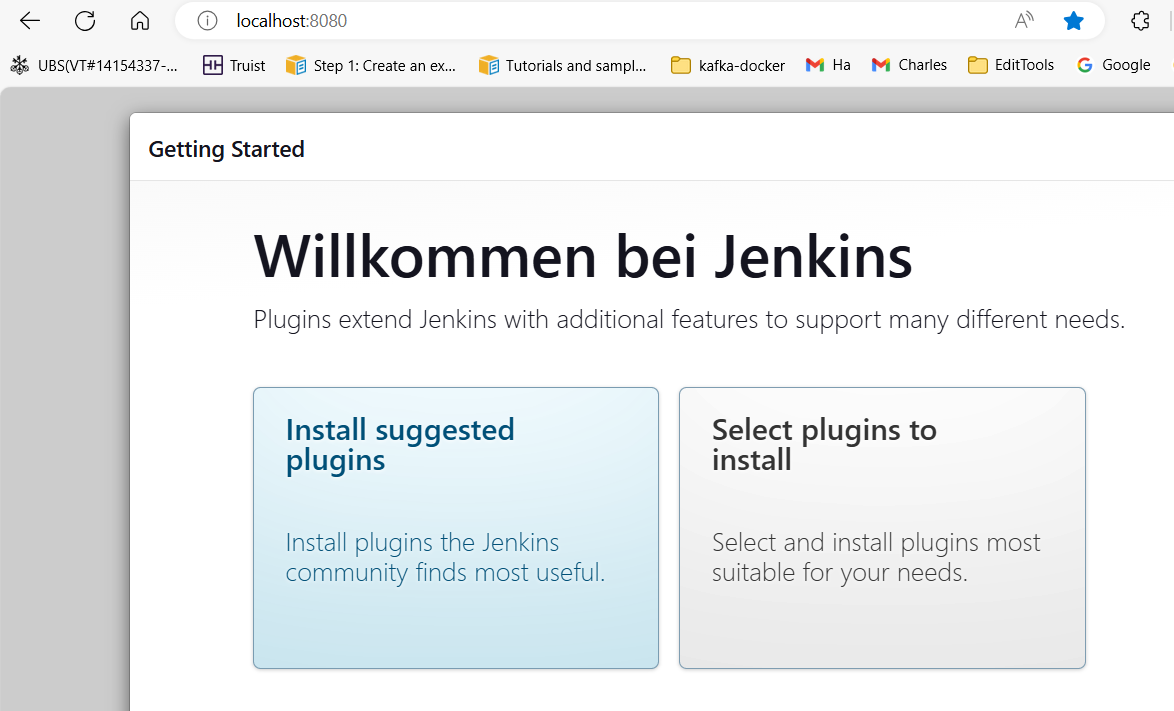
This may also be found at: C:\ProgramData\Jenkins\.jenkins\secrets\initialAdminPassword



On browser 🡪 localhost:8080

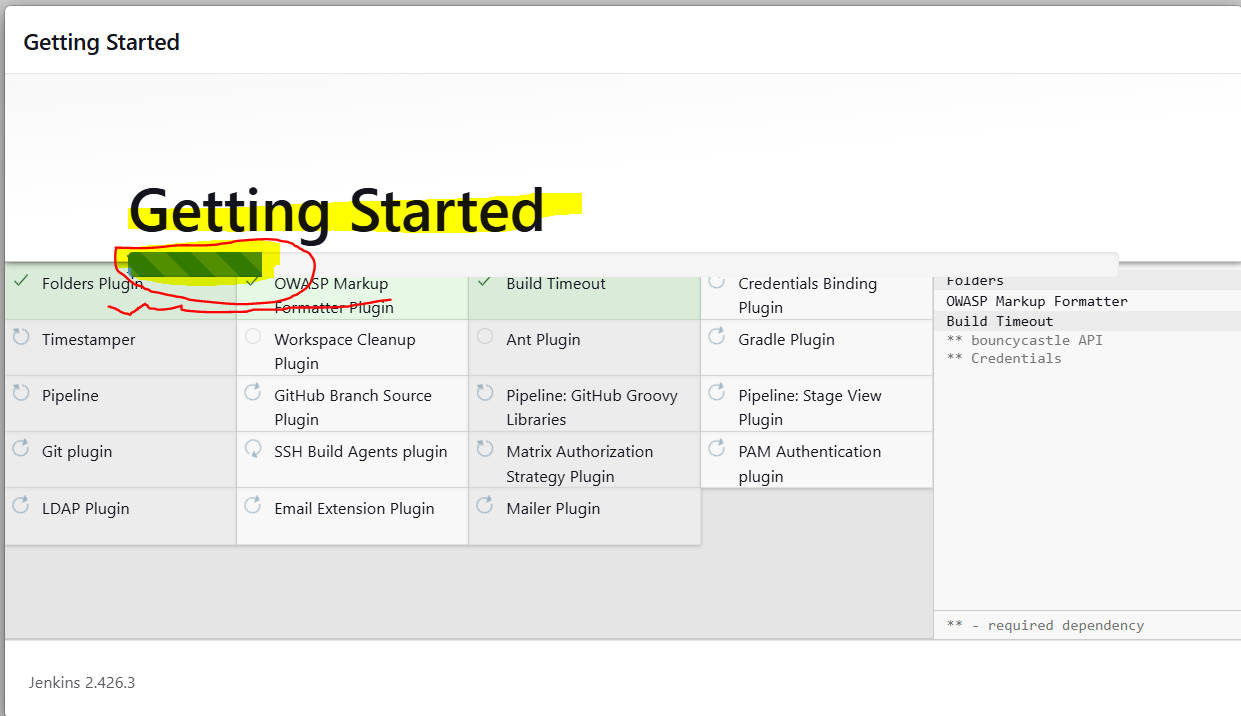


Jenkins 🡪 Getting Started page shows.

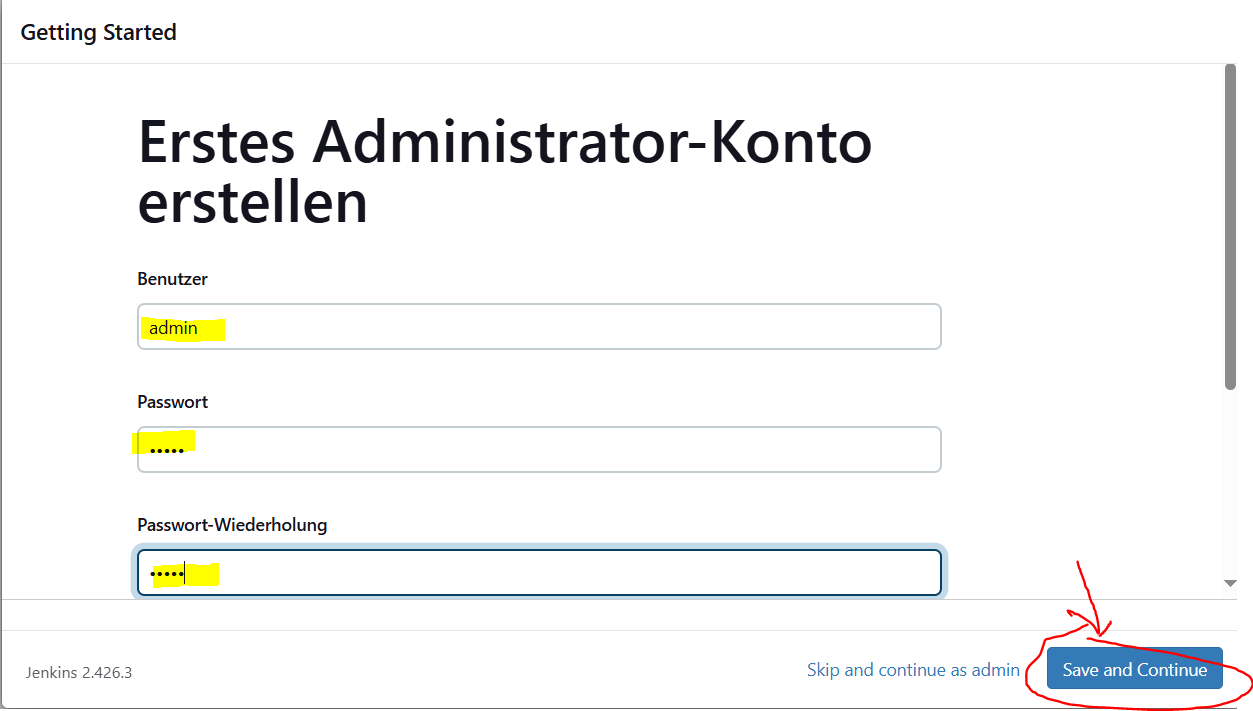


Click 🡪 Install suggested plugins

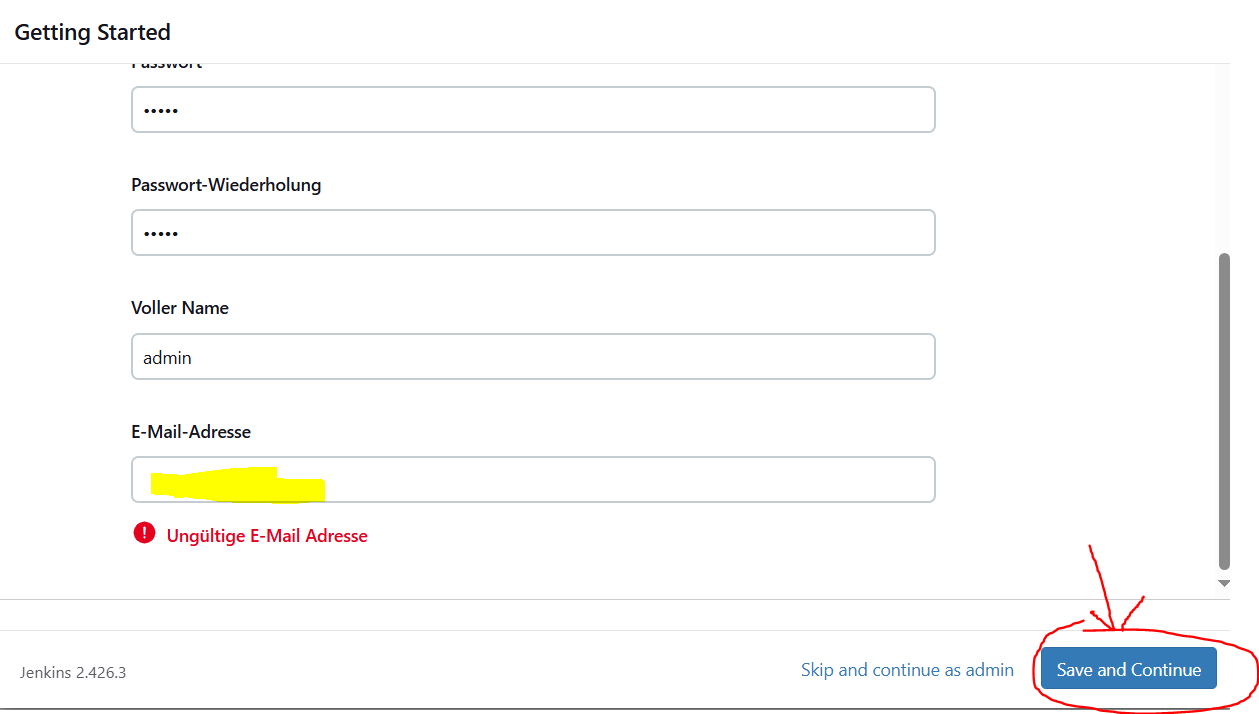


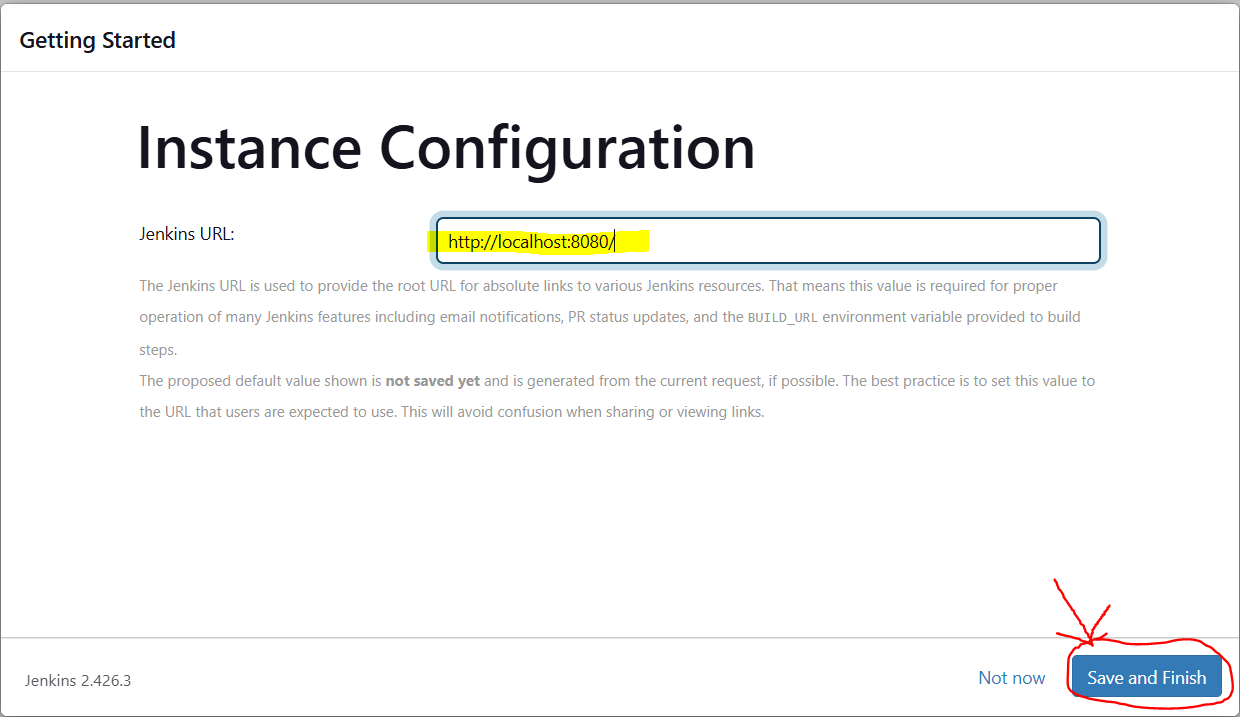


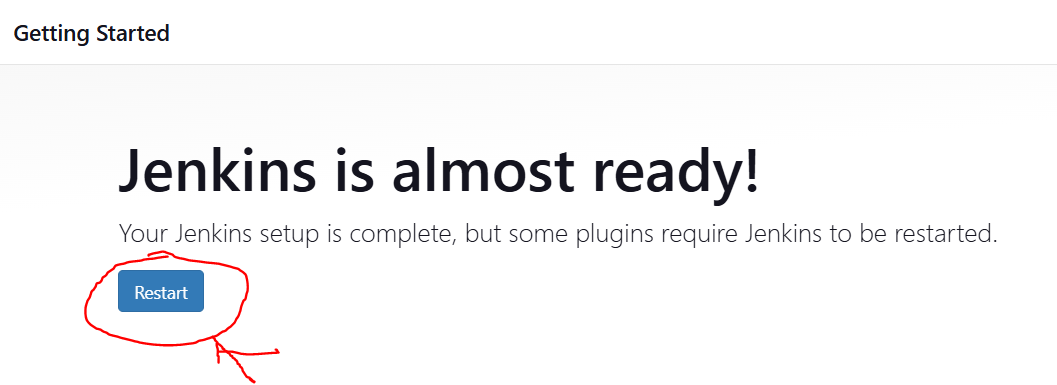
Give 🡪 UserID=admin and Password=admin and then click 🡪 “Save and Continue”-Button.



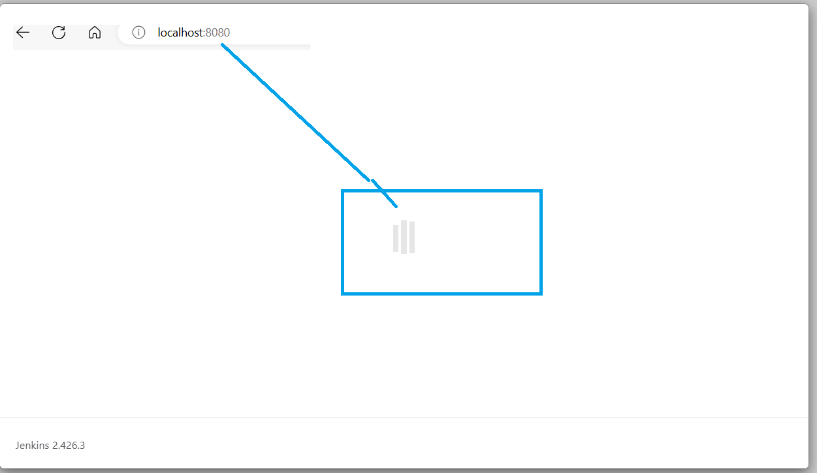
Forget E-mail Address 🡪 Give 🡪Email and then click 🡪 “Save and Continue”-Button.

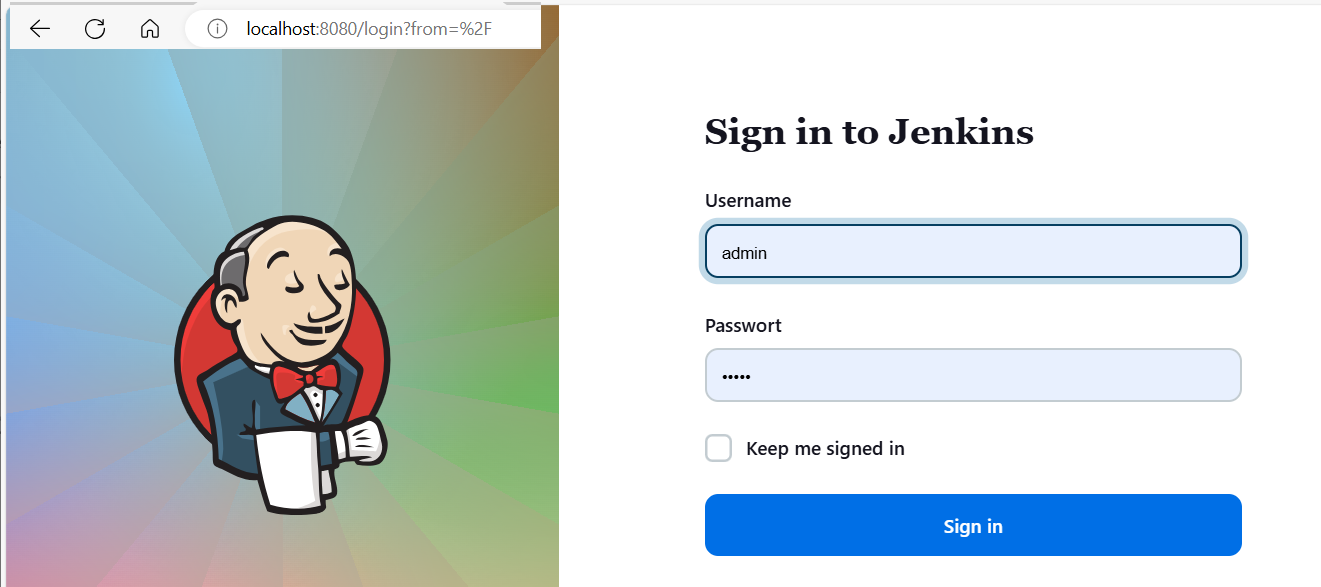




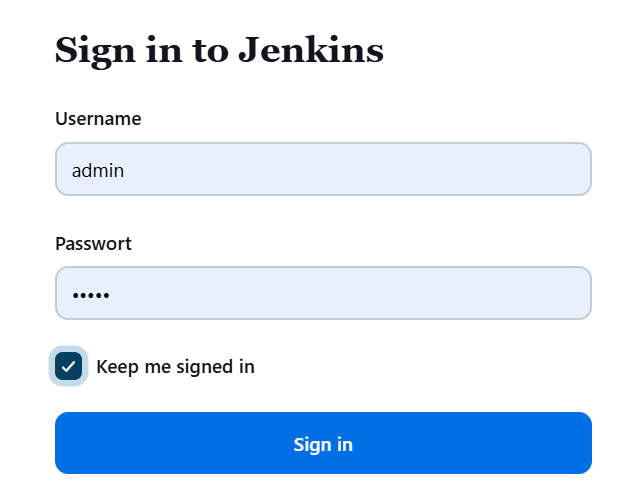


Jenkins 🡪 Restart

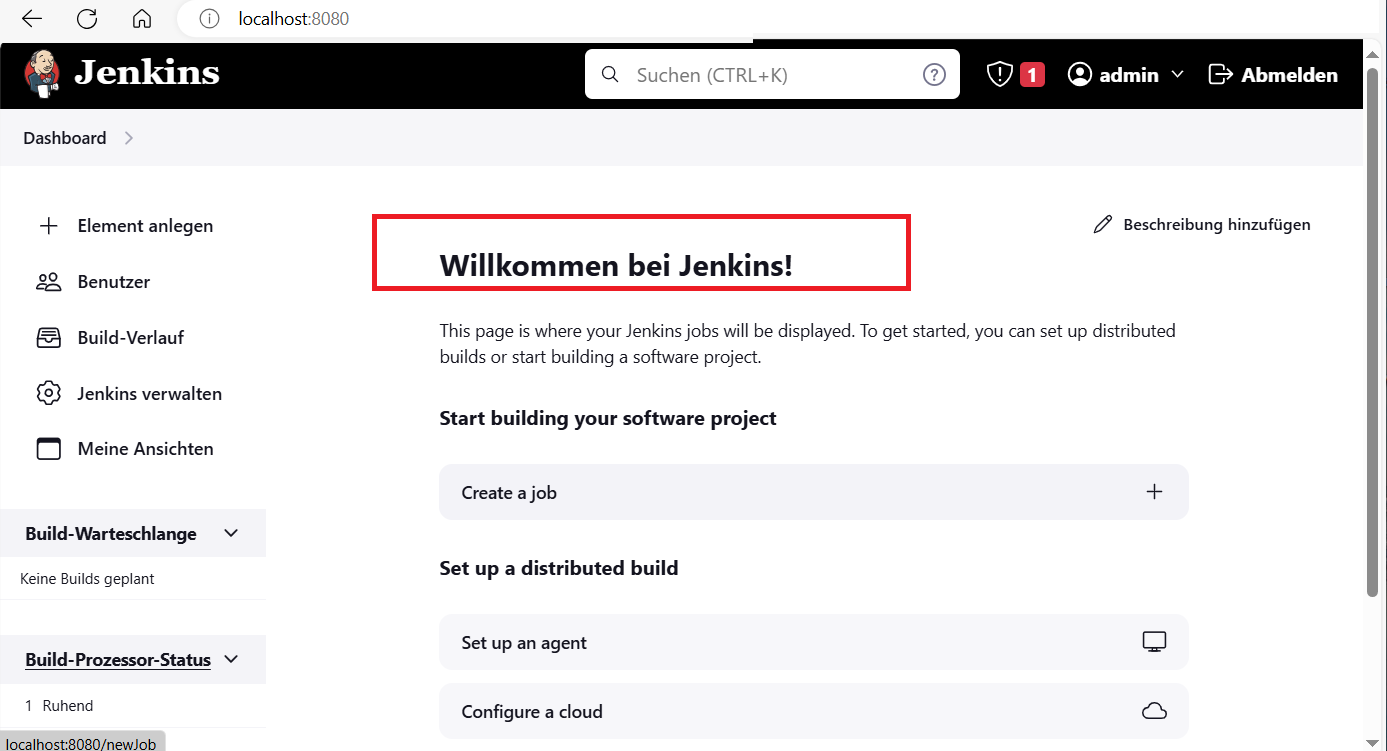




Username=admin and Password=admin 🡪 Click Sign in



Successful 🡪 Jenkins welcome page shows.



STOP Jenkins

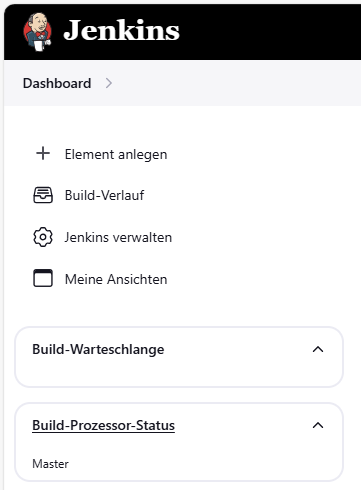
C:\Program Files\Jenkins>.\jenkins.exe stop



<http://localhost:8080/> 🡪 shows that the connection is broken. 🡪 OK

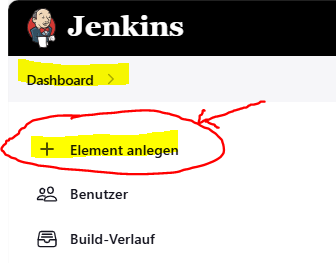
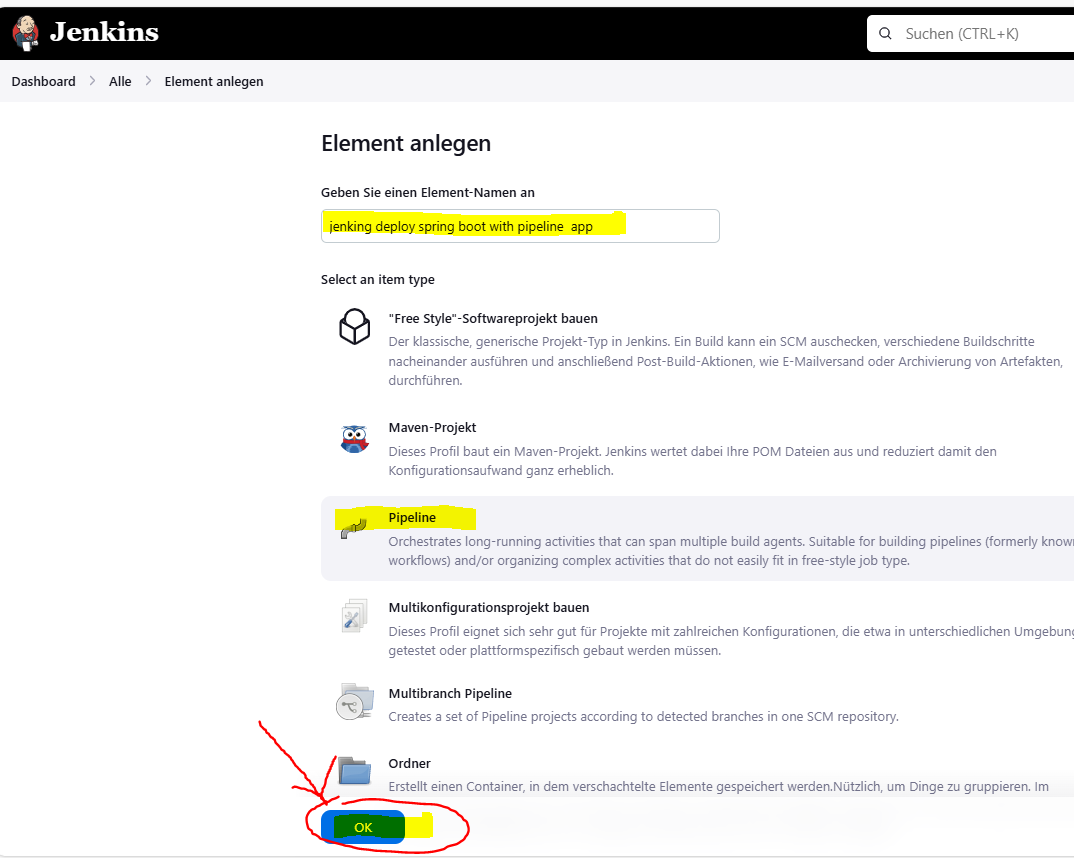


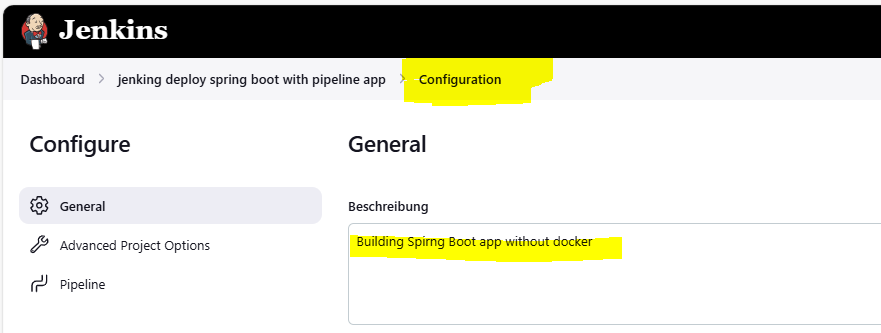
Start Jenkins 🡪 C:\Program Files\Jenkins>.\jenkins.exe start  
and login Jenkins 🡪 Jenkins open as shown below.



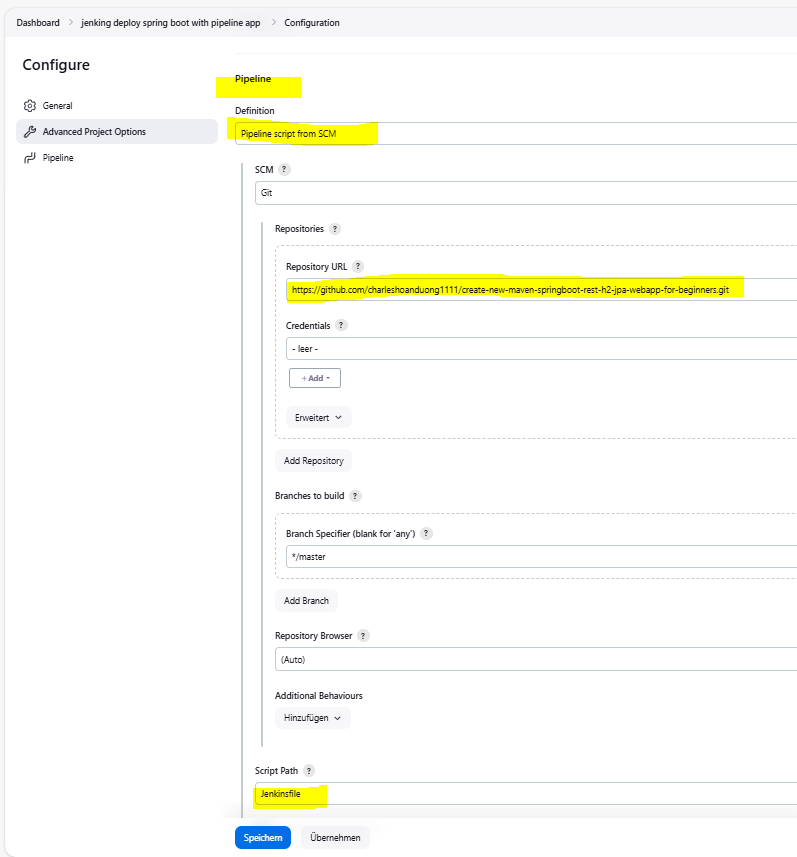
Jenkins 🡪 Build Spring Boot app

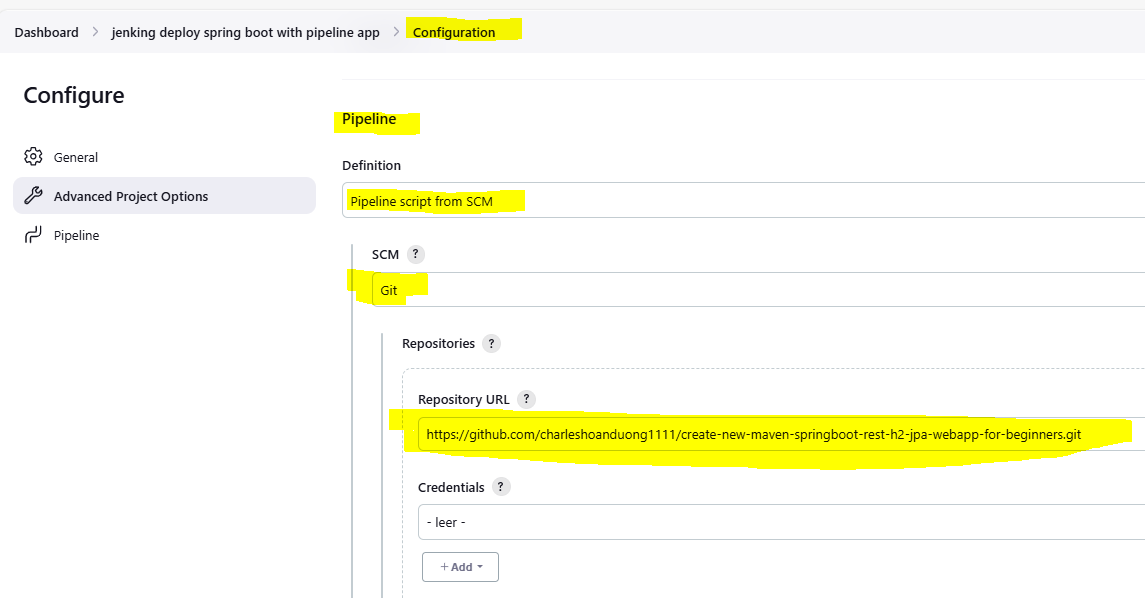
* Building Spirng Boot app without docker
* Add new element

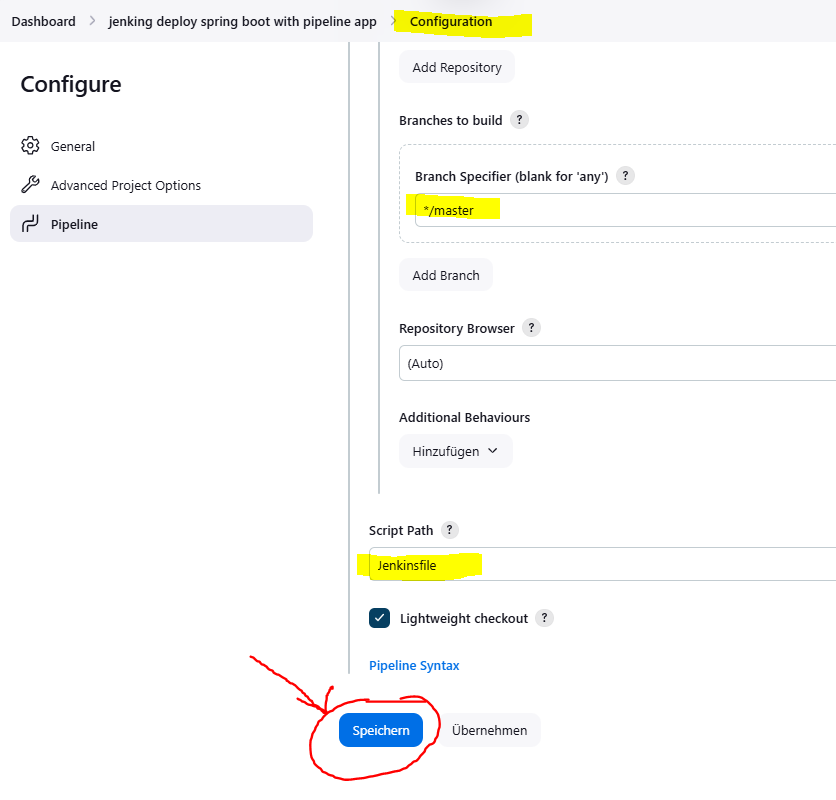
 



GitHub 🡪 <https://github.com/charleshoanduong1111/create-new-maven-springboot-rest-h2-jpa-webapp-for-beginners.git>



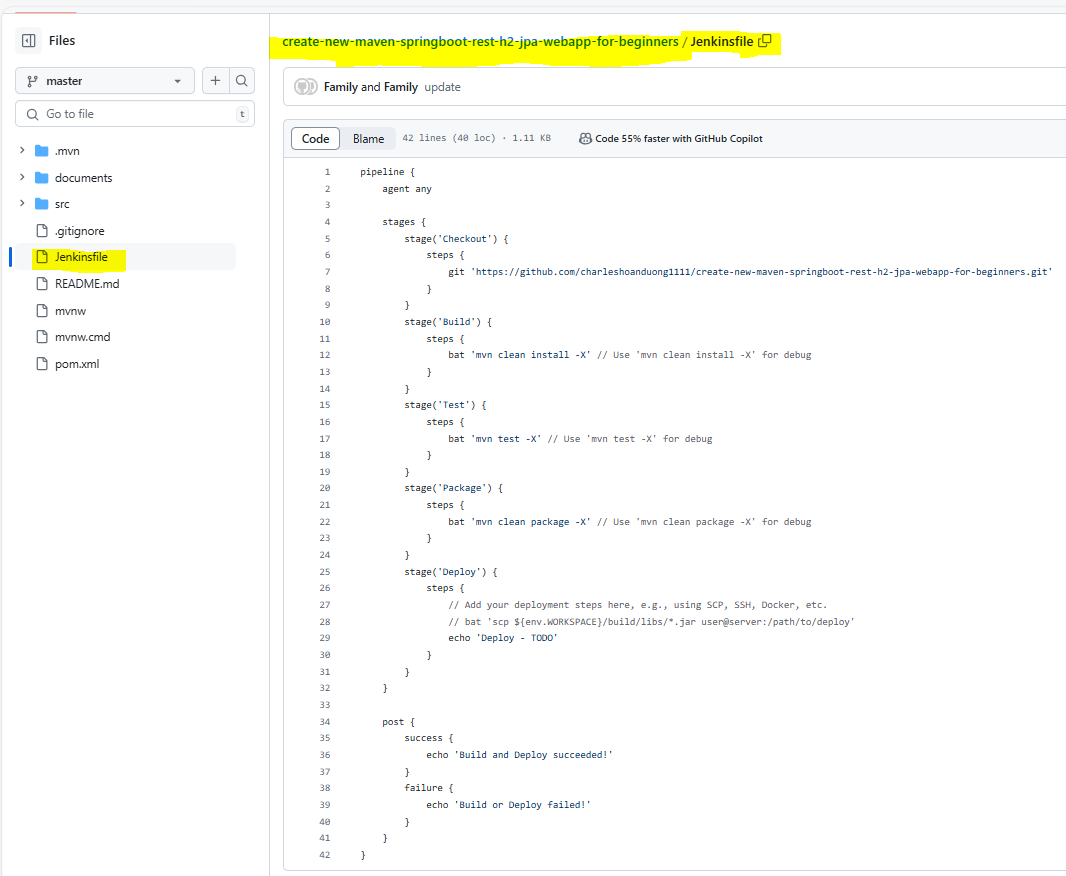




Click 🡪 Save-button

Jenkinsfile 🡪

<https://github.com/charleshoanduong1111/create-new-maven-springboot-rest-h2-jpa-webapp-for-beginners> **Jenkinsfile**



<https://github.com/charleshoanduong1111/create-new-maven-springboot-rest-h2-jpa-webapp-for-beginners> **Jenkinsfile**

pipeline {

agent any

stages {

stage('Checkout') {

steps {

git 'https://github.com/charleshoanduong1111/create-new-maven-springboot-rest-h2-jpa-webapp-for-beginners.git'

}

}

stage('Build') {

steps {

bat 'mvn clean install -X' // Use 'mvn clean install -X' for debug

}

}

stage('Test') {

steps {

bat 'mvn test -X' // Use 'mvn test -X' for debug

}

}

stage('Package') {

steps {

bat 'mvn clean package -X' // Use 'mvn clean package -X' for debug

}

}

stage('Deploy') {

steps {

echo 'Deploy - TODO'

}

}

}

post {

success {

echo 'Build and Deploy succeeded!'

}

failure {

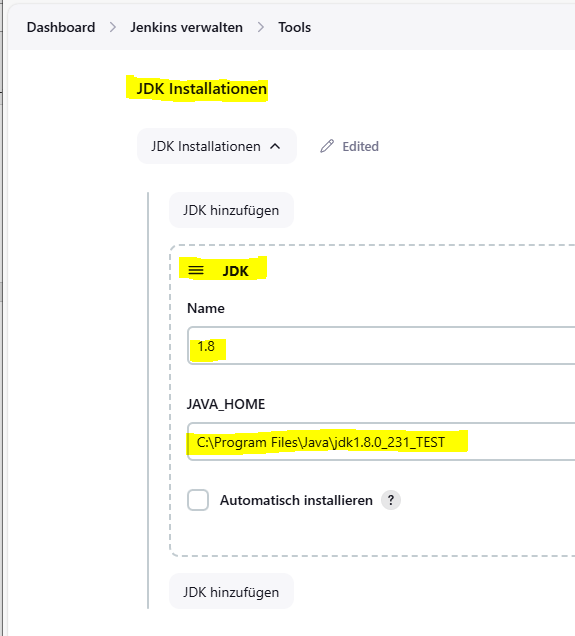
echo 'Build or Deploy failed!'

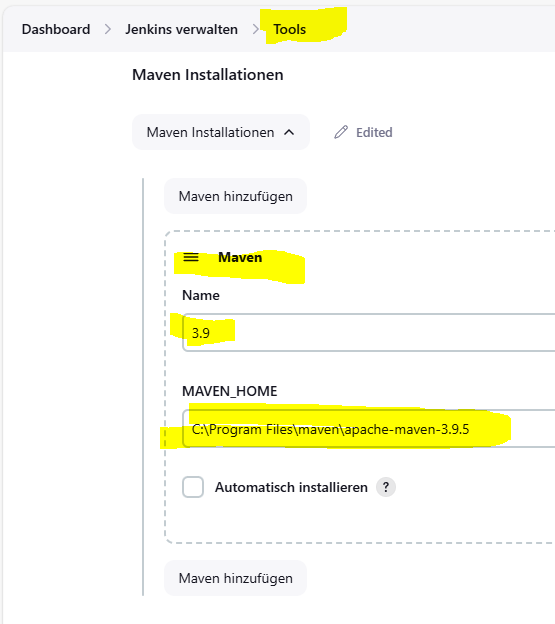
}

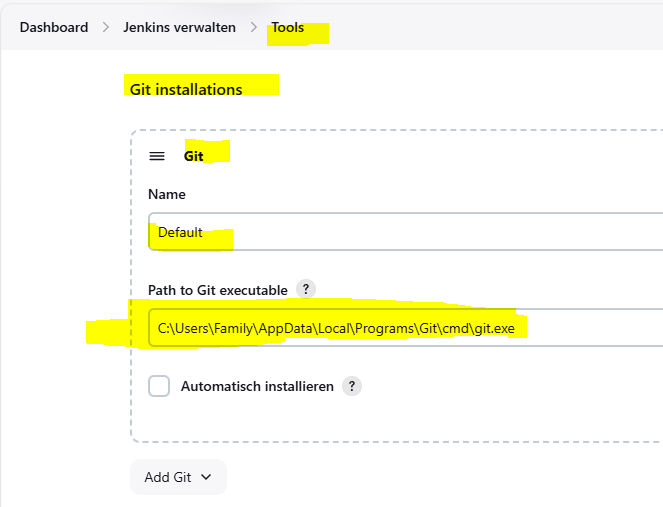
}

}

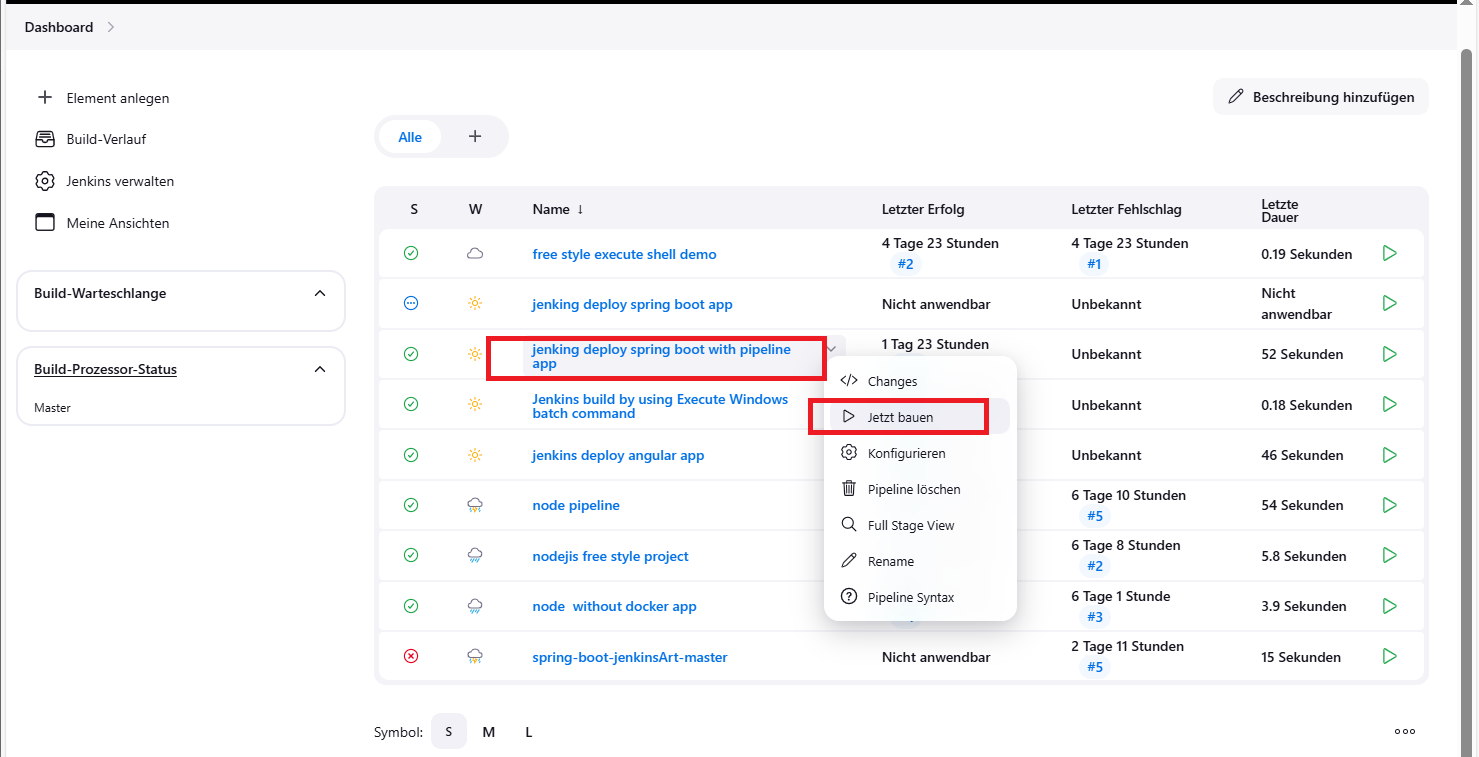
JDK and Maven Tools for running Maven command  
🡪 mvn clean install 🡪 mvn clean package …







After clicking Save-button. The project is saved. Click the “**Build Now**” button as shown below.



The Build is ok

