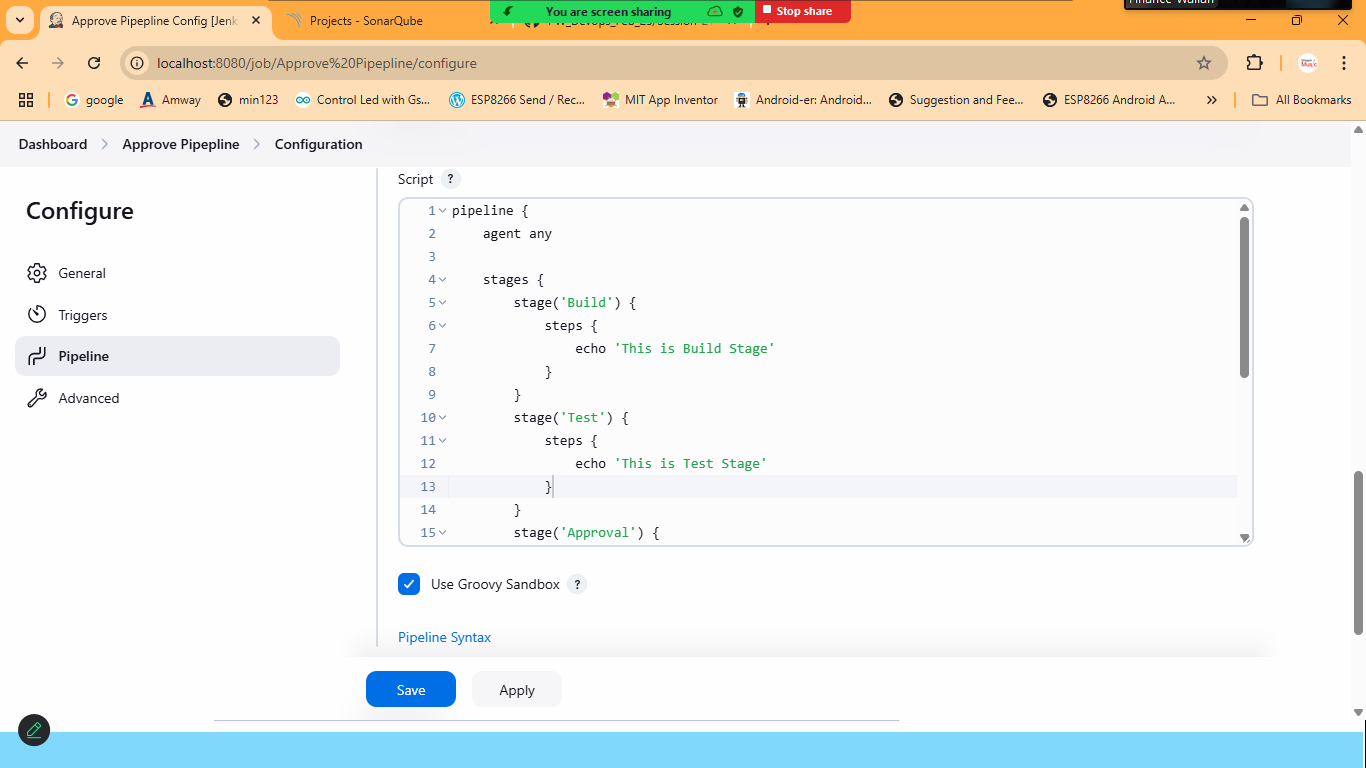
# **Jenkins Manual Approval**

Create Jenkins pipeline



pipeline {

agent any

stages {

stage('Build') {

steps {

echo 'This is Build Stage'

}

}

stage('Test') {

steps {

echo 'This is Test Stage'

}

}

stage('Approval') {

steps {

timeout(time:15,unit:"MINUTES"){

input message:'Do you Want to Approve the Deployment?',ok:'yes'

}

}

}

stage('deployment') {

steps {

echo 'App Deployed'

}

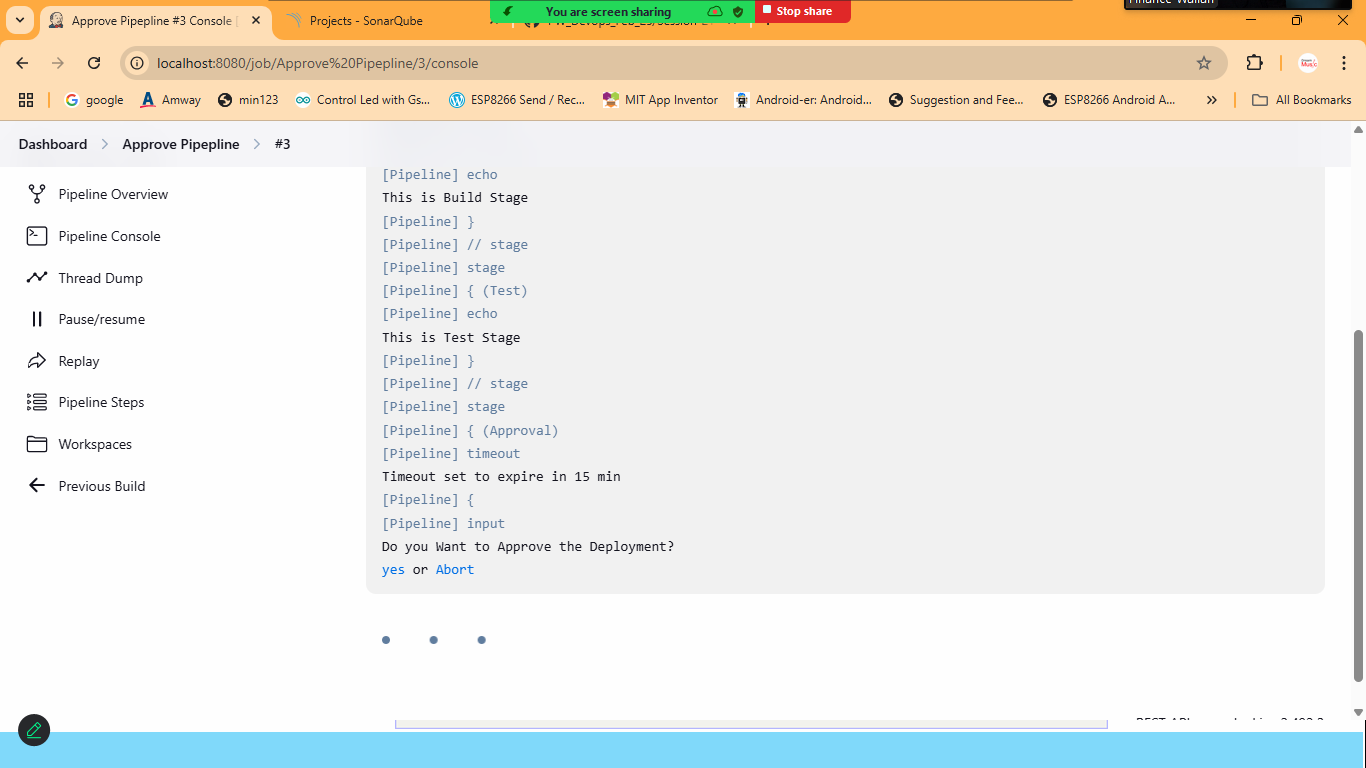
}

}

}

Save and Build Now

Check the console output



Click on yes to approve or abort to cancel

If the option is not selected it will abort after given time

# TASK:

Create Jenkins Pipeline With SonarQube With Approval(Email Notification Optional)

Pipeline

pipeline {

agent any

environment {

SONARQUBE\_ENV = 'MySonar' // Jenkins → Manage Jenkins → Configure System

SONAR\_TOKEN = credentials('MY\_SONAR\_TOKEN') // Jenkins → Credentials (secret text)

}

stages {

stage('Checkout') {

steps {

git url: 'https://github.com/Nikunj-Java/Sonar\_Python.git', branch: 'main'

}

}

stage('Approval Before Sonar Analysis') {

steps {

timeout(time: 10, unit: 'MINUTES') {

input message: 'Approve to run SonarQube analysis?', ok: 'Run Analysis'

}

}

}

stage('SonarQube Analysis') {

steps {

withSonarQubeEnv("${SONARQUBE\_ENV}") {

sh '''

/opt/sonar-scanner/bin/sonar-scanner \

-Dsonar.projectKey=Sonar\_Python \

-Dsonar.sources=app \

-Dsonar.tests=tests \

-Dsonar.python.version=3.10 \

-Dsonar.login=${SONAR\_TOKEN}

'''

}

}

}

stage('Approval Before Quality Gate Result') {

steps {

timeout(time: 10, unit: 'MINUTES') {

input message: 'Approve to check Sonar Quality Gate result?', ok: 'Continue'

}

}

}

stage('Quality Gate') {

steps {

timeout(time: 2, unit: 'MINUTES') {

waitForQualityGate abortPipeline: true

}

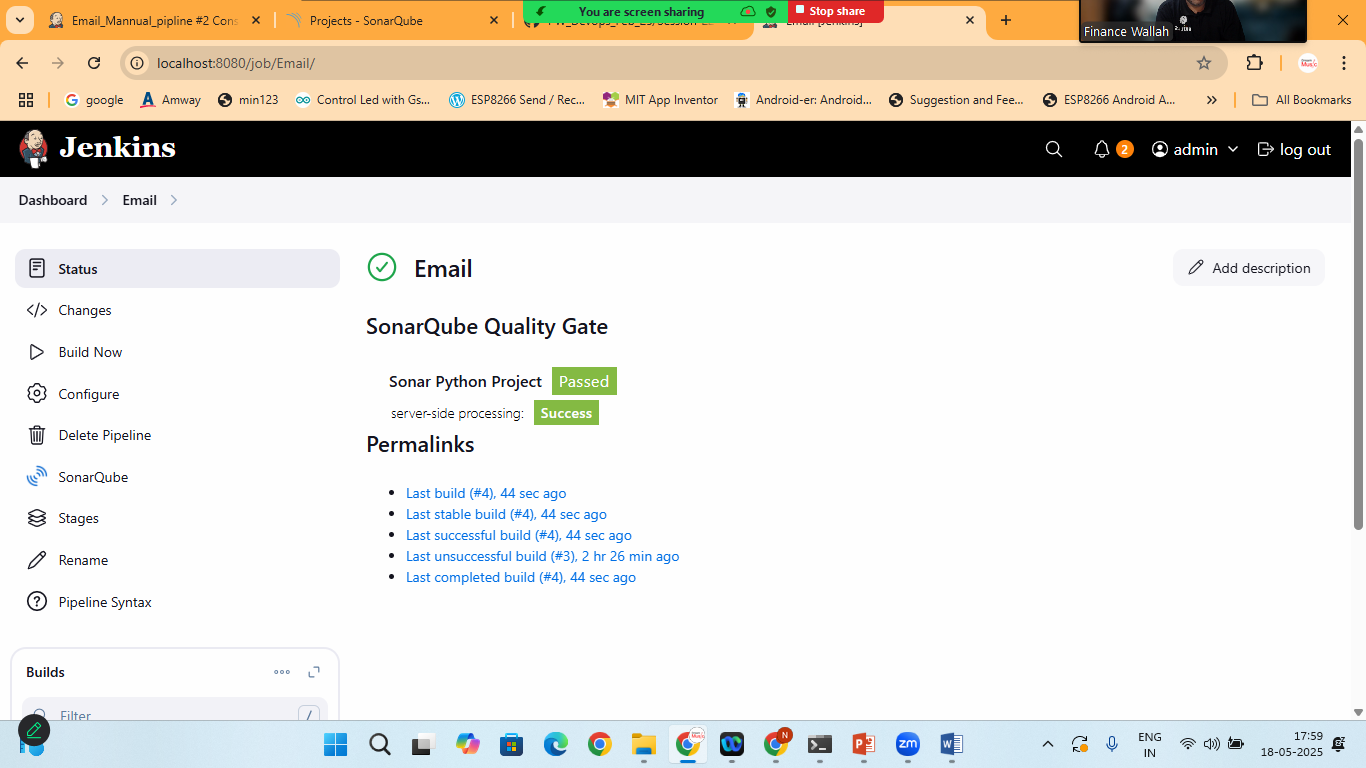
}

}

}

}

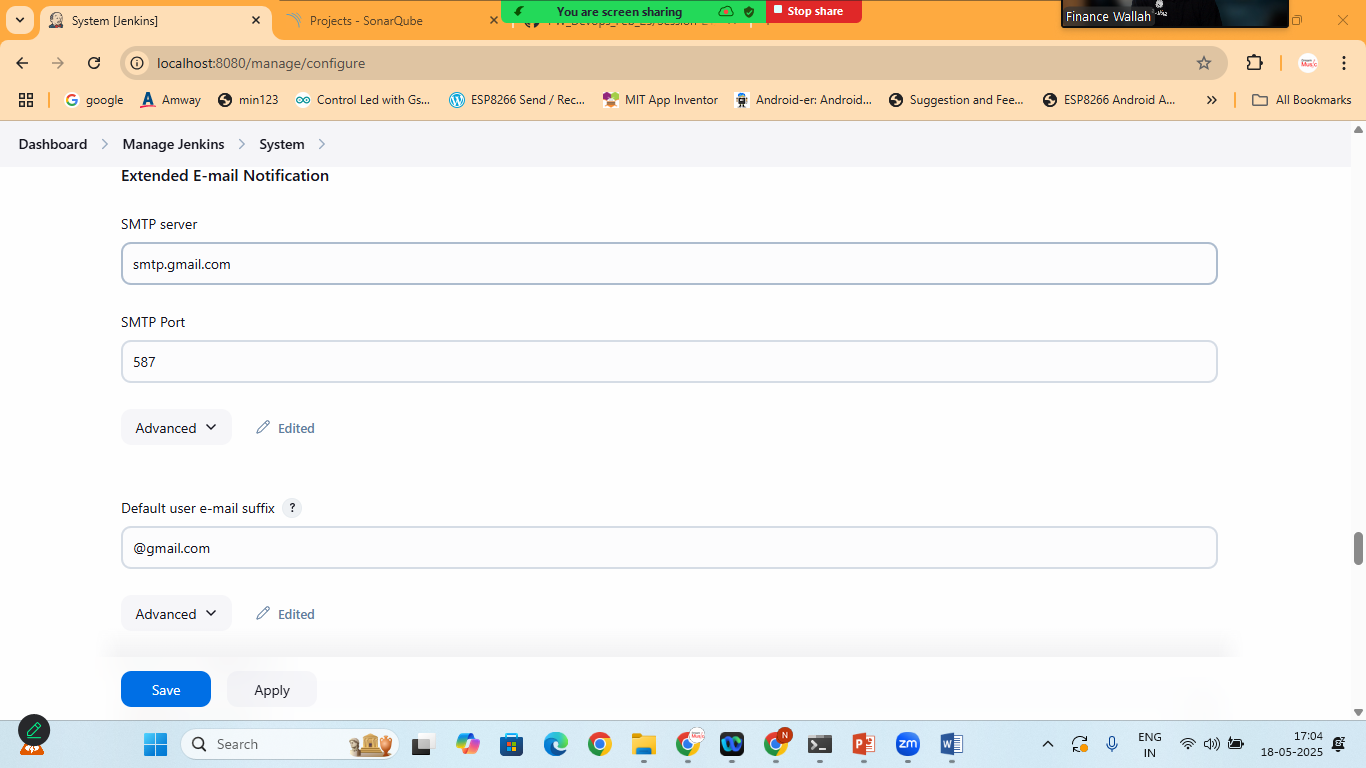
It will ask you for approval twice after that a pipeline will be succeded



# **PIPELINE-2**

## (Jenkins + Email + Manual Approval )

Step:1 SMTP Configuration ,must be done



Create new Jenkins Pipeline

pipeline {

agent any

stages {

stage('Build') {

steps {

echo 'Build successful'

}

}

stage('Test') {

steps {

echo 'Tests passed'

}

}

stage('Email for Approval') {

steps {

mail to: 'youremail@gmail.com',

subject: "Approval Needed for Production Deployment",

body: """\

Build #${env.BUILD\_NUMBER} is ready for approval.

Click the following link to approve:

${env.BUILD\_URL}

Login and click "Proceed" in the "Approval" stage.

"""

}

}

stage('Approval') {

steps {

timeout(time: 10, unit: 'MINUTES') {

input message: "Do you approve the production deployment?", ok: "Approve"

}

}

}

stage('Deploy to Production') {

steps {

echo 'Deploying to production...'

}

}

}

}

Email:

