pipeline project resources

1- Jenkins file for the pipeline Docker image to ECR						
 this script allows you to make a declarative pipeline. the pipeline in question will allow you to do the following steps: 						
1- Checkout						
2- Code Build						
3- Test						
4- Build image: image build stage. here, ECR is used to build and generate a docker image						
5- Deploy : send image to ECR						

```
pipeline {
    agent any
    tools{
        maven 'M2_HOME'
    environment {
    registry = '076892551558.dkr.ecr.us-east-1.amazonaws.com
/devop_repository'
    registryCredential = 'jenkins-ecr'
    dockerimage = ''
    stages {
        stage('Checkout'){
            steps{
                git branch: 'main', url: 'https://github.com/Hermann90
/helloworld_jan_22.git'
        }
        stage('Code Build') {
           steps {
                sh 'mvn clean package'
        stage('Test') {
            steps {
               sh 'mvn test'
        stage('Build Image') {
            steps {
                script{
                    dockerImage = docker.build registry +
":$BUILD_NUMBER"
        stage('Deploy image') {
            steps{
                script{
                    docker.withRegistry("https://"+registry,"ecr:us-
east-1:"+registryCredential) {
                        dockerImage.push()
            }
        }
   }
```

2- description of the different parts of the Jenkinsfile

• you can see here a small description of our Jenkinsfile

```
helloworld_jan_22 / Jenkinsfile
                                                  in main
  <> Edit file

    Preview changes

     1
                                            Tools
     2
         pipeline {
                                                                                  Tools
     3
                                        declaration
             agent any
                                                                              declaration
     4
             tools{
     5
                maven 'M2_HOME'
     6
            environment {
             registry = '076892551558.dkr.ecr.us-east-1.amazonaws.com/devop_repository'
     8
    9
             registryCredential = 'jenkins-ecr'
    10
            dockerimage = ''
    11
    12
             stages {
    13
                 stage('Checkout'){
    14
                    steps{
   15
                         git branch: 'main', url: 'https://github.com/Hermann90/helloworld_jan_22.git'
   17
                 stage('Code Build') {
   18
    19
                     steps {
    20
                         sh 'mvn clean package'
                                                              image build stage. here,
    21
                                                             ECR is used to build and
                                                             generate a docker image
                 stage('Test') {
    23
                    steps {
                        sh 'mvn test'
   25
   26
   27
                stage('Build Image') {
   28
   29
                    steps {
   30
                        script{
   31
                            dockerImage = docker.build registry + ":$BUILD_NUMBER"
   32
   33
   34
   35
                stage('Deploy image') {
   36
                    steps{
   37
                        script{
                            docker.withRegistry("https://"+registry,"ecr:us-east-1:"+registryCredential) {
   38
   39
                                dockerImage.push()
   40
   41
                        }
   42
   43
   44
                                                                      Send image to
   45
        }
                                                                        AWS ECR
```