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

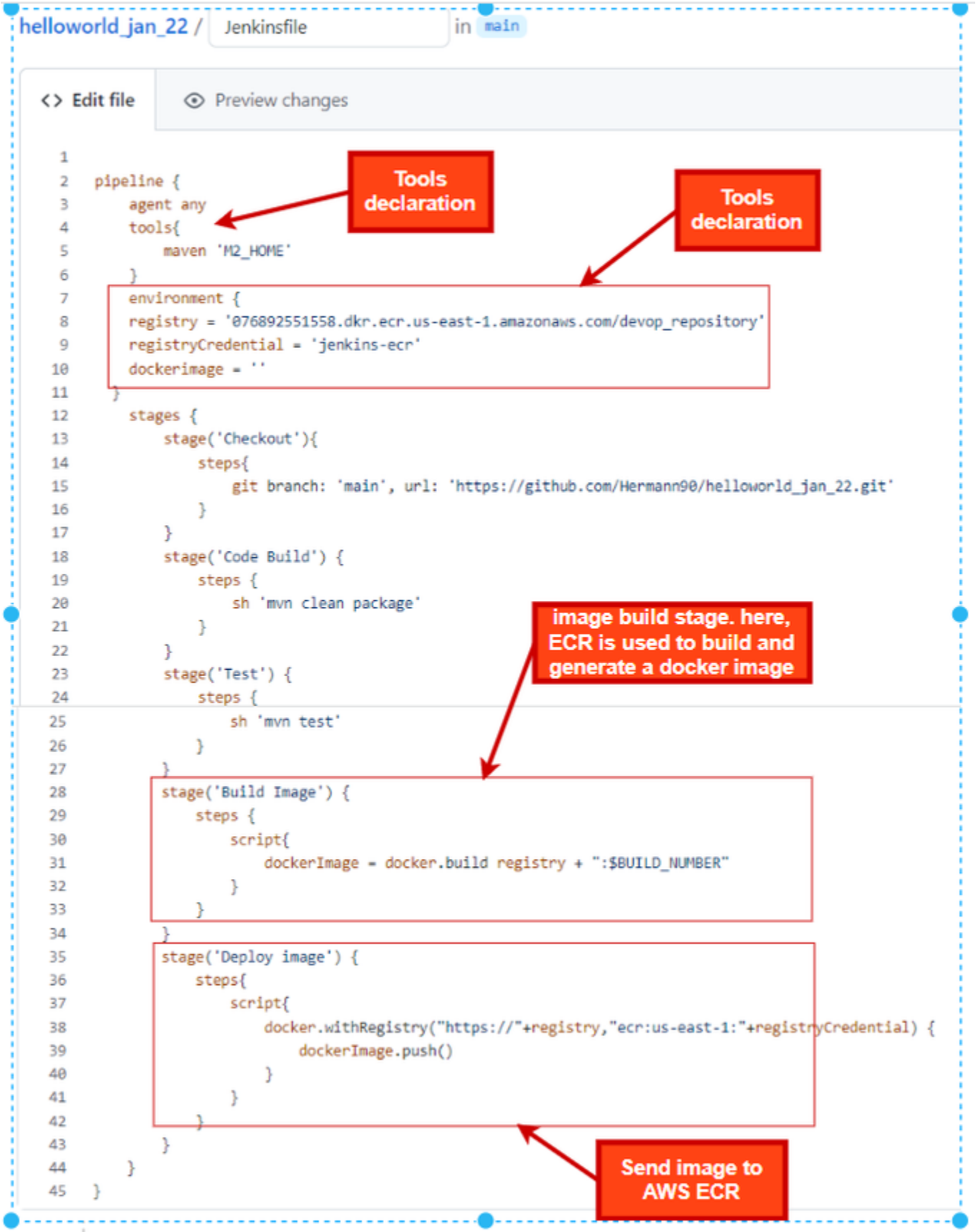
4- Build image : image build stage. here, ECR is used to build and generate a docker image

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




```
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()
                    }
                }
            }
        }
    }
}
```