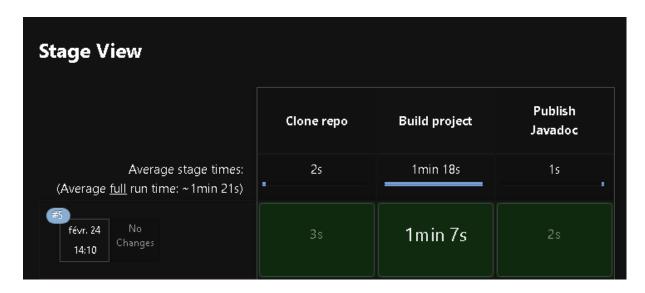
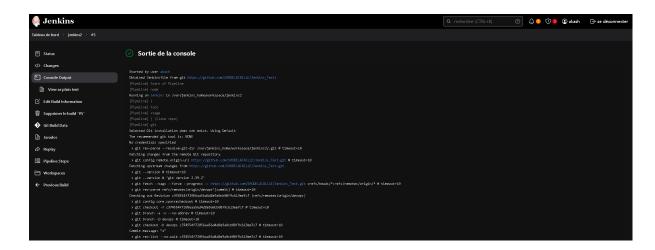
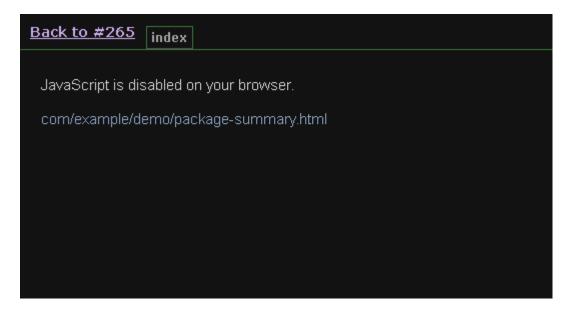
Compilation:





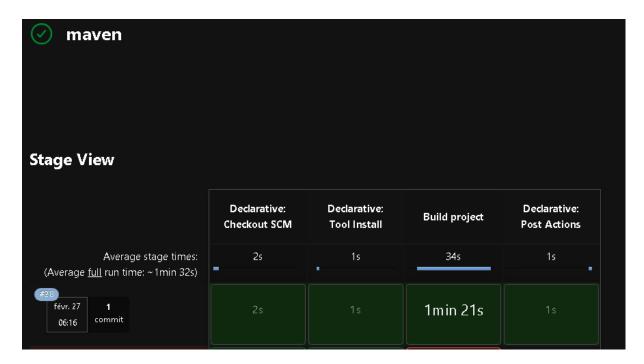


Maven:

```
J DemoApplicationTests.java ×  J DemoApplication.java
🖇 Jenkinsfile
                                                                                                            mx.moq 📍
demo > src > test > java > com > example > demo > J DemoApplicationTests.java
1  package com.example.demo;
          import org.junit.jupiter.api.Test;
import static org.assertj.core.api.Assertions.assertThat;
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                       public int multiply(int a, int b) {
    return a * b;
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                 @Test
                  public void testAddition() {
                       Calculatrice calculatrice = new Calculatrice();
                        assertThat(calculatrice.add(2, 3)).isEqualTo(5);
                 @Test
                 public void testSubtraction() {
    Calculatrice calculatrice = new Calculatrice();
    assertThat(calculatrice.subtract(5, 3)).isEqualTo(2);
  31
32
 33
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39
40
                 @Test
                 public void testMultiplication() {
    Calculatrice calculatrice = new Calculatrice();
    assertThat(calculatrice.multiply(2, 3)).isEqualTo(6);
```

```
<dependency>
          <groupId>org.springframework.boot</groupId>
          <artifactId>spring-boot-starter-test</artifactId>
          <scope>test</scope>
      </dependency>
      <dependency>
          <groupId>org.junit.jupiter</groupId>
          <artifactId>junit-jupiter-api</artifactId>
          <version>5.8.2
          <scope>test</scope>
      </dependency>
      <dependency>
          <groupId>org.junit.jupiter</groupId>
          <artifactId>junit-jupiter-engine</artifactId>
          <version>5.8.2
          <scope>test</scope>
      </dependency>
  </dependencies>
  <build>
      <plugins>
          <plugin>
              <groupId>org.springframework.boot</groupId>
              <artifactId>spring-boot-maven-plugin</artifactId>
          </plugin>
      </plugins>
  </build>
/project>
```

```
pipeline {
   agent any
       // Spécifier l'installation de Maven
       maven 'maven-3.5.2'
   stages {
       stage('Build project') {
           steps {
                // Naviguer vers le répertoire du projet
                dir('demo') {
                  sh 'chmod +x mvnw'
                   sh './mvnw clean package'
                   sh './mvnw javadoc:javadoc'
   post {
       success {
           script {
                if (fileExists('**/target/surefire-reports/*.xml')) {
                   junit '**/target/surefire-reports/*.xml'
```



Faire Échouer un Test :

```
@Test
public void testAddition() {
    Calculatrice calculatrice = new Calculatrice();
    assertThat(calculatrice.add(2, 3)).isEqualTo(6);
}
```



```
but was: 5
       at java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance@(Native Method)
       at java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:77)
       at java.base/jdk.internal.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)\\
       at java.base/java.lang.reflect.Constructor.newInstanceWithCaller(Constructor.java:499)
       at com.example.demo.DemoApplicationTests.testAddition(DemoApplicationTests.java:27)
       at java.base/java.lang.reflect.Method.invoke(Method.java:568)
       at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)
[INFO] Results:
[ERROR] Failures:
[ERROR] DemoApplicationTests.testAddition:27
but was: 5
[INFO]
[ERROR] Tests run: 3, Failures: 1, Errors: 0, Skipped: 0
[INFO] -----
[INFO] BUILD FAILURE
[INFO] Finished at: 2024-02-27T07:49:25Z
[ERROR] Please refer to /var/jenkins home/workspace/maven/demo/target/surefire-reports for the individual test results.
[ERRCR] Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.
[ERROR] -> [Help 1]
[ERROR]
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
```

Ignorer un Test:



Sonar:

utilisation de ngrok pour http://localhost:9000.

