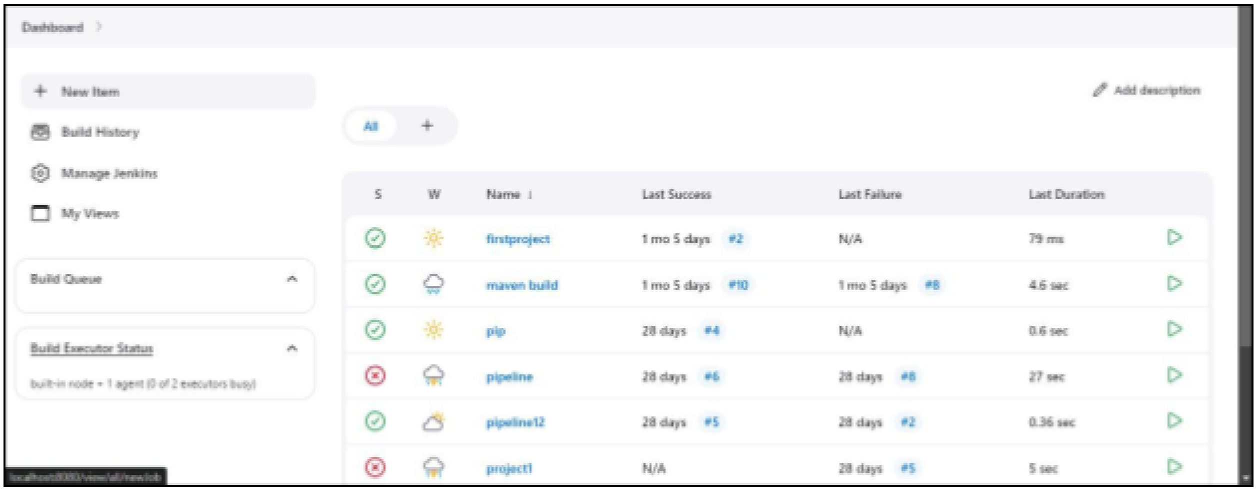
Experiment No. 7

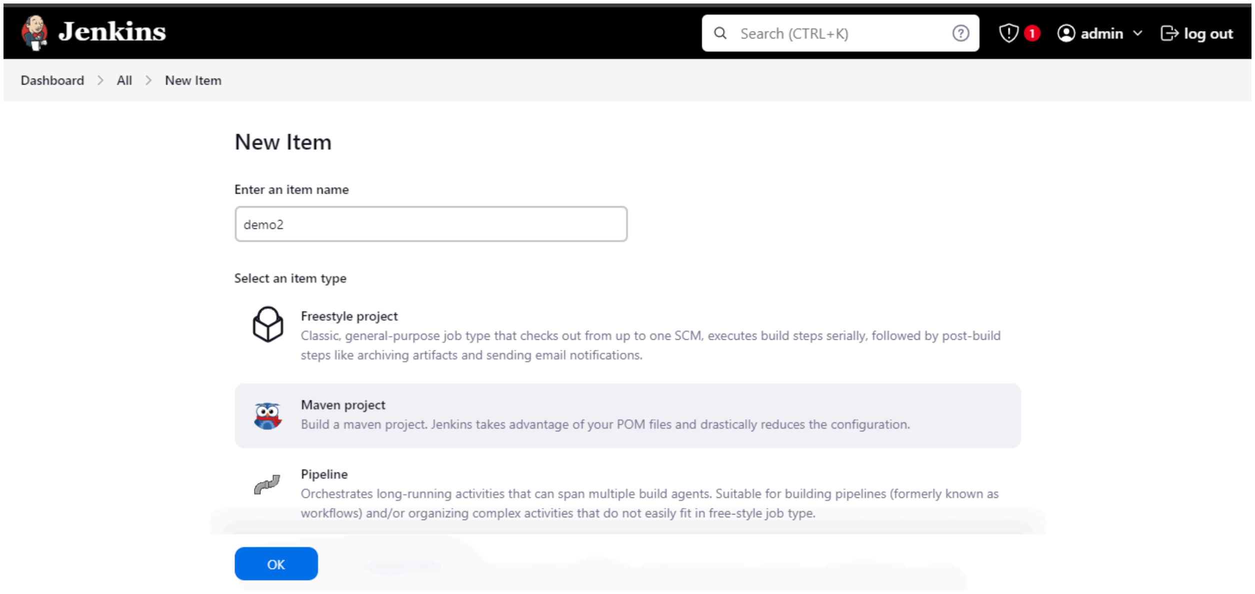
Procedure :

Step 1 : Visit Jenkins dashboard.



S	W	Name ↓	Last Success	Last Failure	Last Duration	
✓	☀	firstproject	1 mo 5 days #2	N/A	79 ms	▷
✓	☁	maven build	1 mo 5 days #10	1 mo 5 days #8	4.6 sec	▷
✓	☀	pip	28 days #4	N/A	0.6 sec	▷
⊗	☁	pipeline	28 days #6	28 days #8	27 sec	▷
✓	☁	pipeline12	28 days #5	28 days #2	0.36 sec	▷
⊗	☁	project1	N/A	28 days #5	5 sec	▷

Step 2 : Create new item, enter item name and select maven project.



New Item

Enter an item name

demo2

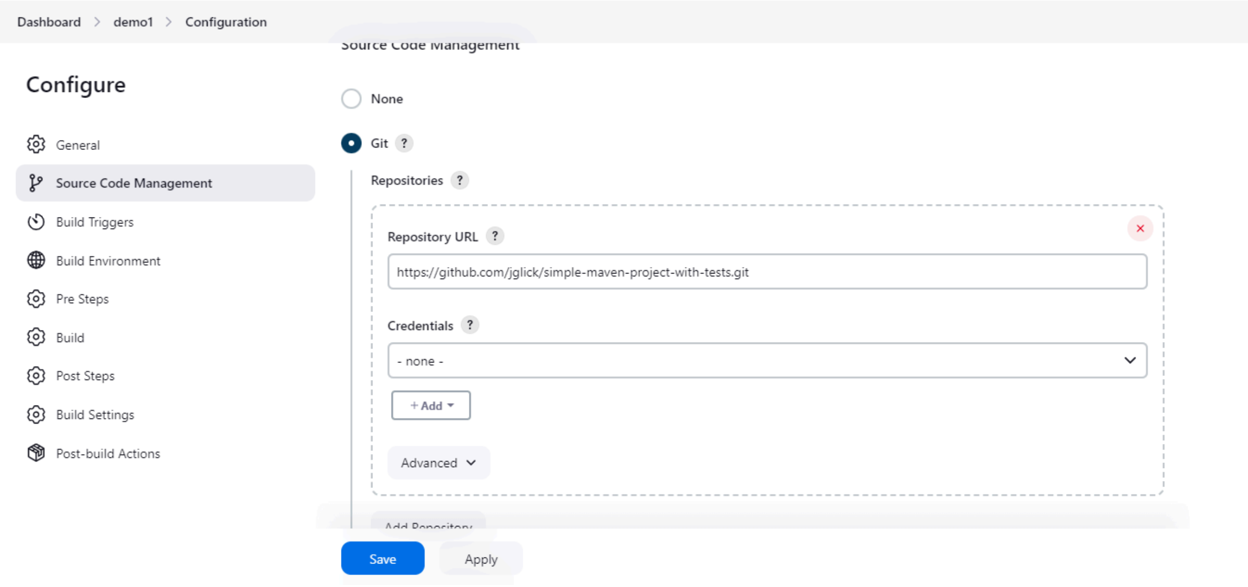
Select an item type

Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Step 3 : In project configuration, enter GitHub repository.



○ None

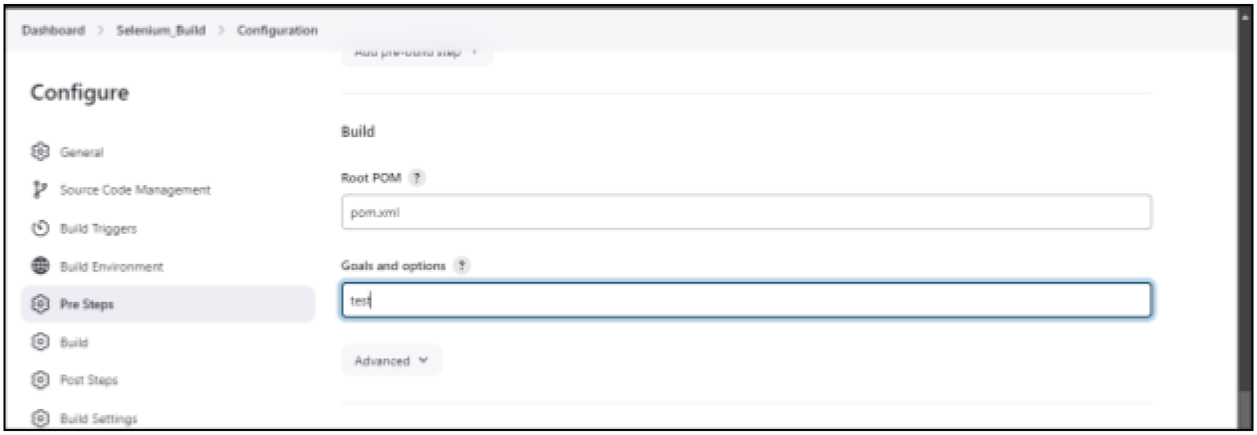
● Git

Repositories

Repository URL: https://github.com/jglick/simple-maven-project-with-tests.git

Credentials: - none -

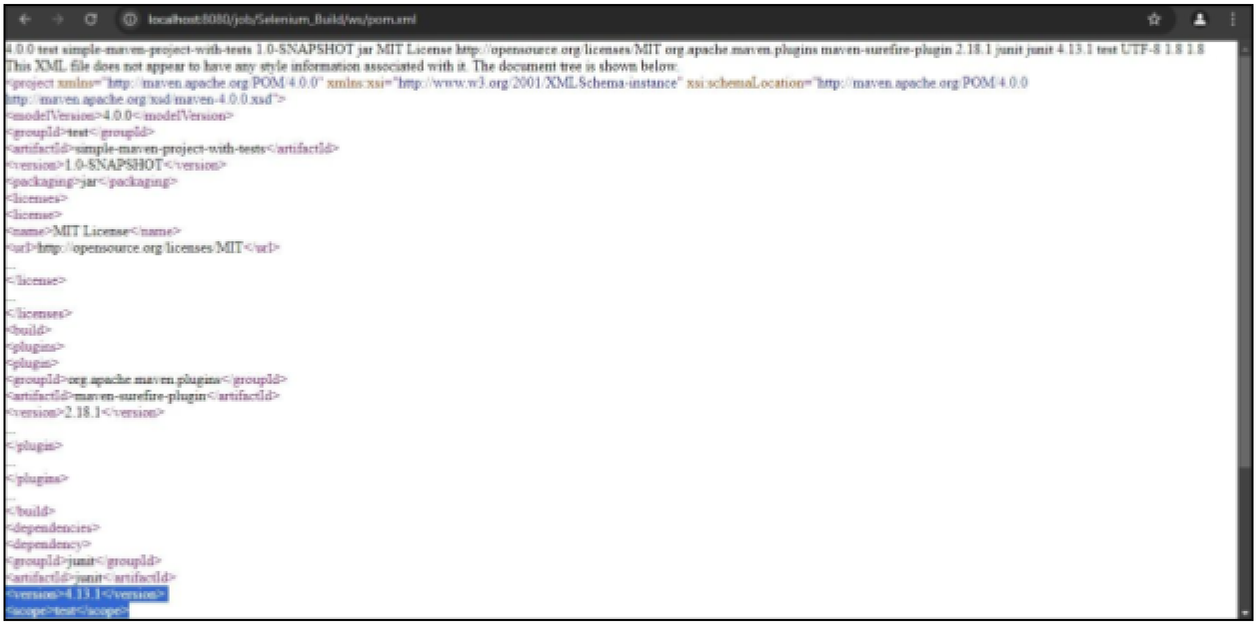
Step 4 : enter pom.xml and goals as test.



Root POM: pom.xml

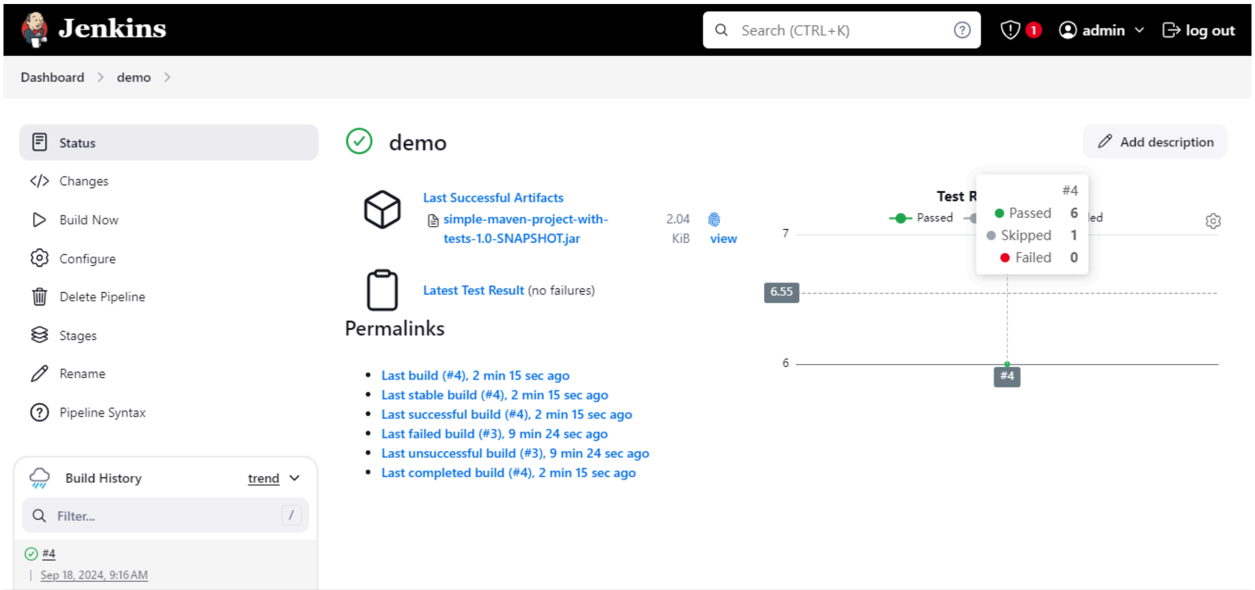
Goals and options: test

Step 5 : JUnit version and scope can be seen in pom.xml

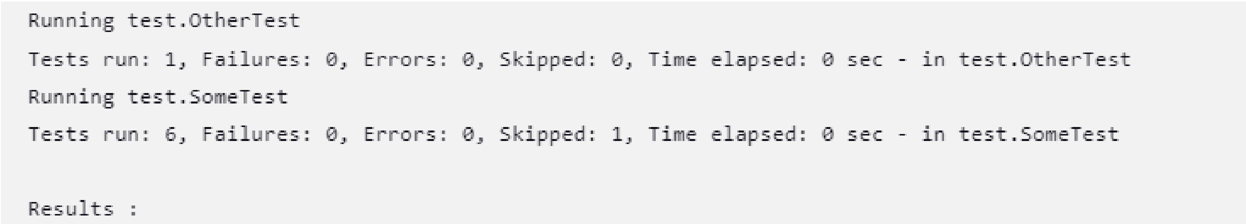


```
4.0.0 test simple-maven-project-with-tests 1.0-SNAPSHOT jar MIT License http://opensource.org/licenses/MIT org.apache.maven.plugins maven-surefire-plugin 2.18.1 junit junit 4.13.1 test UTF-8 1.8 1.8
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>test</groupId>
<artifactId>simple-maven-project-with-tests</artifactId>
<version>1.0-SNAPSHOT</version>
<packaging>jar</packaging>
<licenses>
<license>
<name>MIT License</name>
<url>http://opensource.org/licenses/MIT</url>

</license>

</licenses>
<build>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-surefire-plugin</artifactId>
<version>2.18.1</version>

</plugin>

</plugins>

</build>
<dependencies>
<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
<version>4.13.1</version>
<scope>test</scope>
```

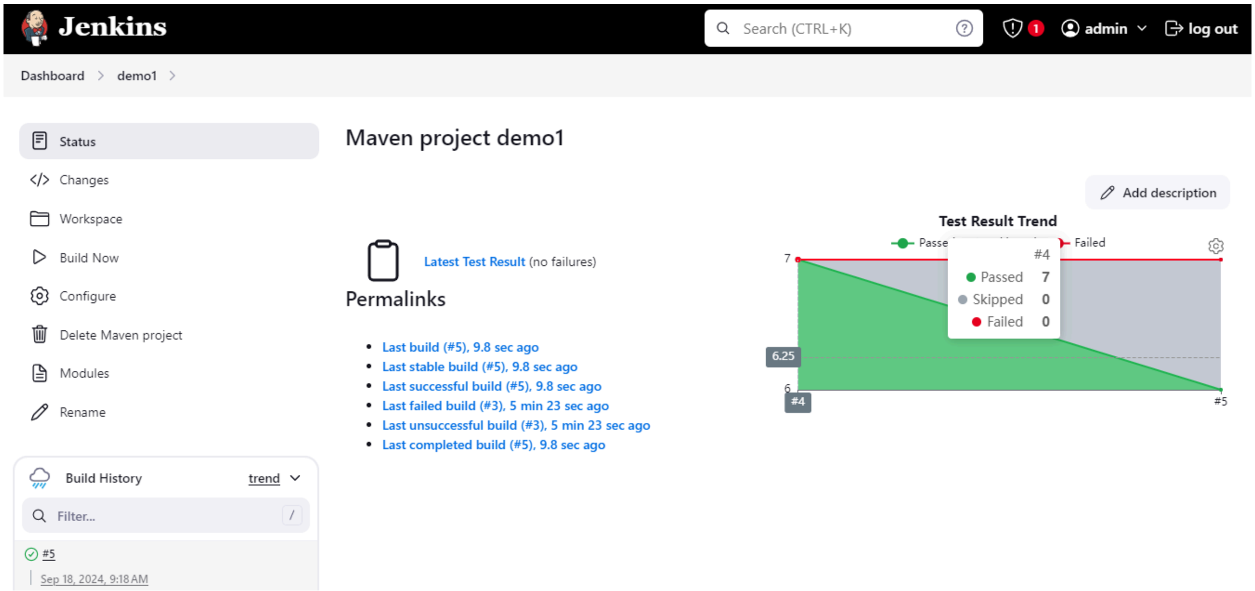
Step 6 : Different outputs



- Last build (#4), 2 min 15 sec ago
- Last stable build (#4), 2 min 15 sec ago
- Last successful build (#4), 2 min 15 sec ago
- Last failed build (#3), 9 min 24 sec ago
- Last unsuccessful build (#3), 9 min 24 sec ago
- Last completed build (#4), 2 min 15 sec ago



```
Running test.OtherTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec - in test.OtherTest
Running test.SomeTest
Tests run: 6, Failures: 0, Errors: 0, Skipped: 1, Time elapsed: 0 sec - in test.SomeTest

Results :
```



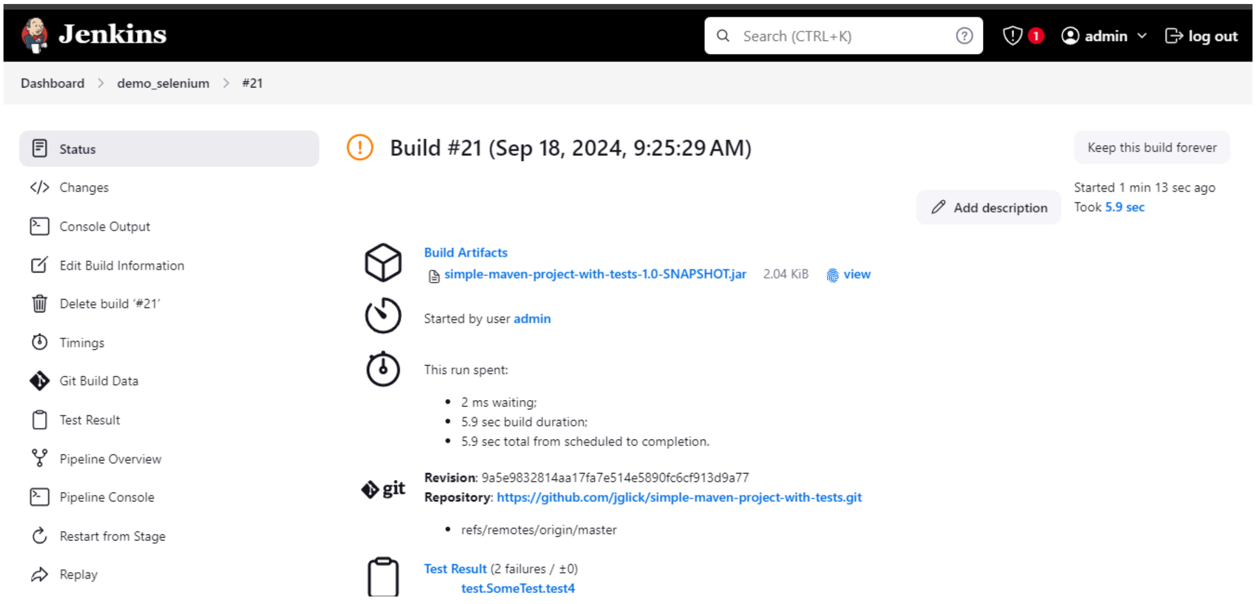
Maven project demo1

Latest Test Result (no failures)

Permalinks

- Last build (#5), 9.8 sec ago
- Last stable build (#5), 9.8 sec ago
- Last successful build (#5), 9.8 sec ago
- Last failed build (#3), 5 min 23 sec ago
- Last unsuccessful build (#3), 5 min 23 sec ago
- Last completed build (#5), 9.8 sec ago

#5
Sep 18, 2024, 9:18 AM



Build #21 (Sep 18, 2024, 9:25:29 AM)

Started 1 min 13 sec ago
Took 5.9 sec

Build Artifacts
simple-maven-project-with-tests-1.0-SNAPSHOT.jar 2.04 KiB view

Started by user admin

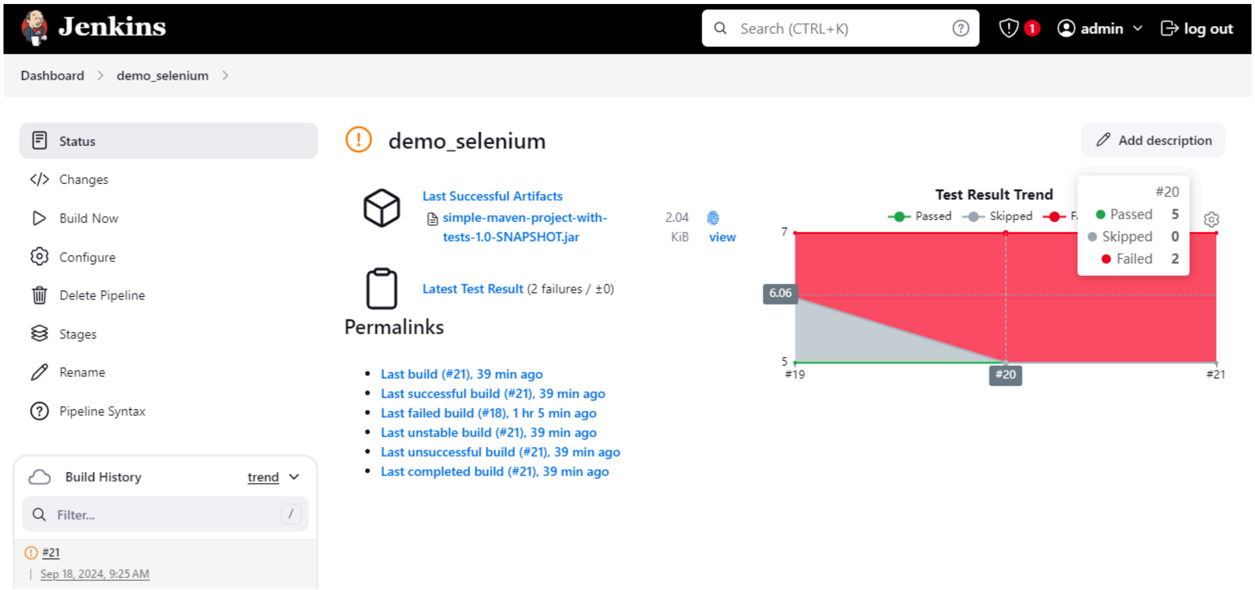
This run spent:

- 2 ms waiting;
- 5.9 sec build duration;
- 5.9 sec total from scheduled to completion.

Revision: 9a5e9832814aa17fa7e514e5890fc6cf913d9a77
Repository: https://github.com/jglick/simple-maven-project-with-tests.git

- refs/remotes/origin/master

Test Result (2 failures / ±0)
test.SomeTest.test4



demo_selenium

Last Successful Artifacts
simple-maven-project-with-tests-1.0-SNAPSHOT.jar 2.04 KiB view

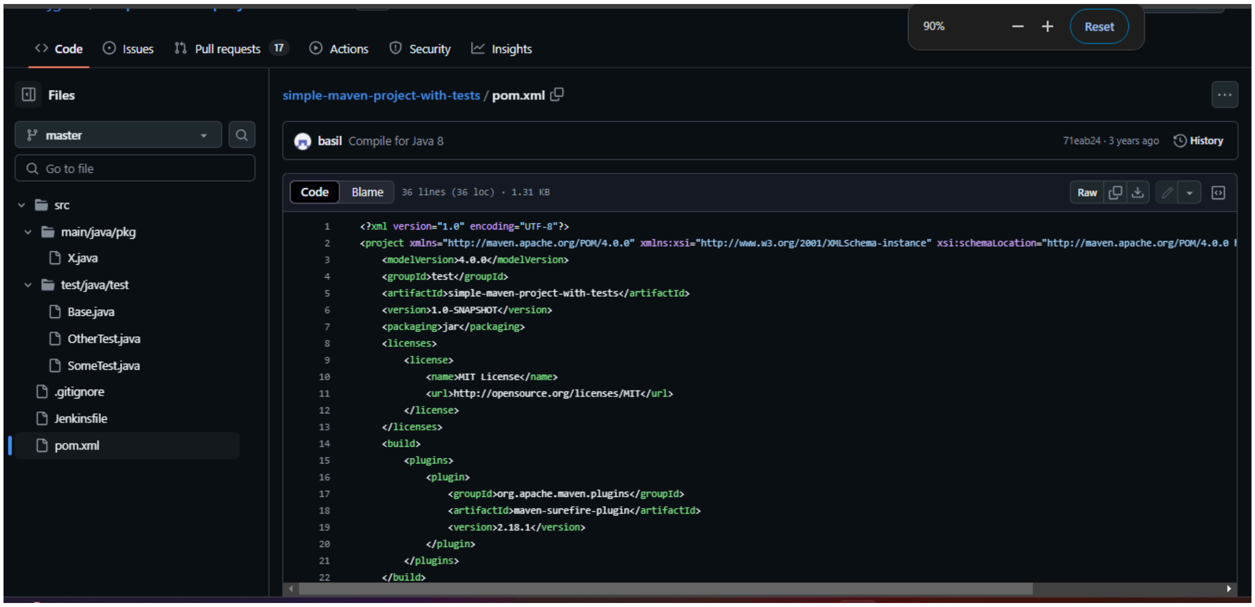
Latest Test Result (2 failures / ±0)

Permalinks

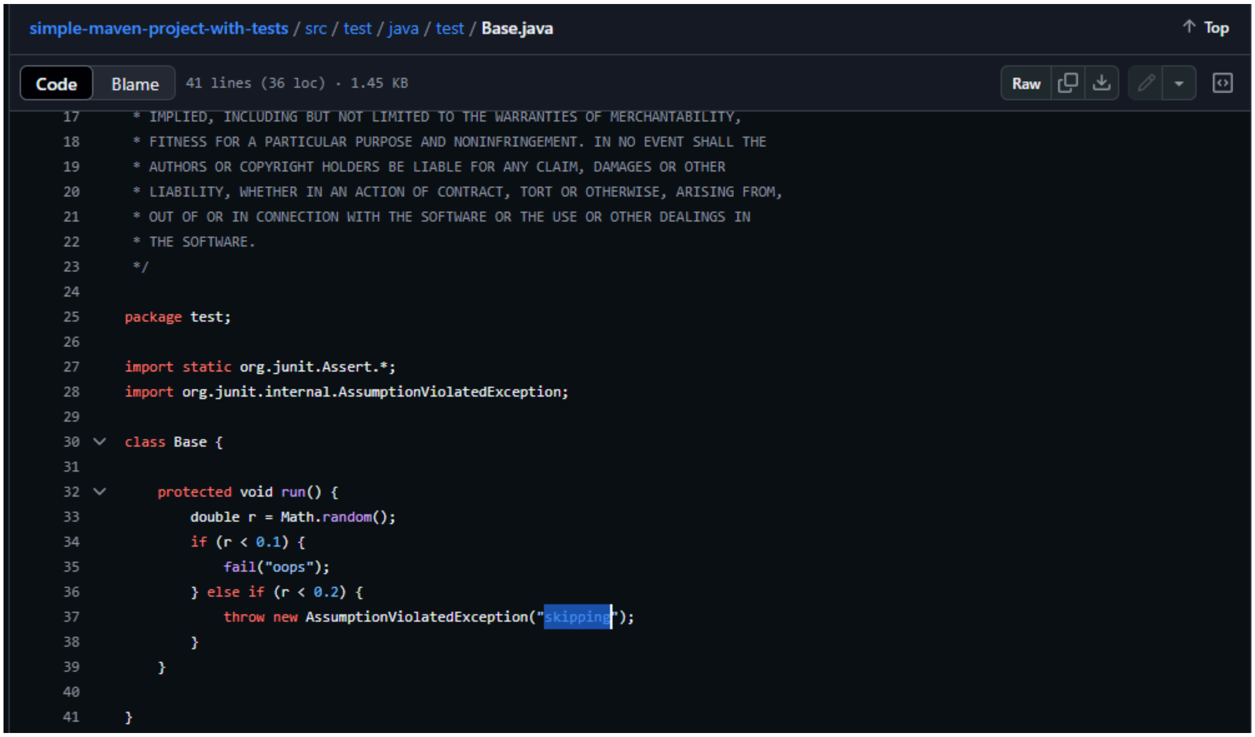
- Last build (#21), 39 min ago
- Last successful build (#21), 39 min ago
- Last failed build (#18), 1 hr 5 min ago
- Last unstable build (#21), 39 min ago
- Last unsuccessful build (#21), 39 min ago
- Last completed build (#21), 39 min ago

#21
Sep 18, 2024, 9:25 AM

Step 7 : Codes



```xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
    <modelVersion>4.0.0</modelVersion>
    <groupId>test</groupId>
    <artifactId>simple-maven-project-with-tests</artifactId>
    <version>1.0-SNAPSHOT</version>
    <packaging>jar</packaging>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>http://opensource.org/licenses/MIT</url>
        </license>
    </licenses>
    <build>
        <plugins>
            <plugin>
                <groupId>org.apache.maven.plugins</groupId>
                <artifactId>maven-surefire-plugin</artifactId>
                <version>2.18.1</version>
            </plugin>
        </plugins>
    </build>
```


simple-maven-project-with-tests / src / test / java / test / Base.java
Top
Code
Blame
41 lines (36 loc) · 1.45 KB
Raw

```java
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
 * AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
 * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
 * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
 * THE SOFTWARE.
 */

package test;

import static org.junit.Assert.*;
import org.junit.internal.AssumptionViolatedException;

class Base {

    protected void run() {
        double r = Math.random();
        if (r < 0.1) {
            fail("oops");
        } else if (r < 0.2) {
            throw new AssumptionViolatedException("skipping");
        }
    }

}
```