<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>com.example</groupId>

<artifactId>mockito-test</artifactId>

<version>1.0-SNAPSHOT</version>

<properties>

<maven.compiler.source>21</maven.compiler.source>

<maven.compiler.target>21</maven.compiler.target>

</properties>

<dependencies>

<!-- JUnit 5 -->

<dependency>

<groupId>org.junit.jupiter</groupId>

<artifactId>junit-jupiter</artifactId>

<version>5.10.2</version>

<scope>test</scope>

</dependency>

<!-- Mockito -->

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>5.12.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<pluginManagement>

<plugins>

<!-- Surefire for JUnit 5 -->

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-surefire-plugin</artifactId>

<version>3.2.5</version>

<configuration>

<useModulePath>false</useModulePath>

</configuration>

</plugin>

</plugins>

</pluginManagement>

</build>

</project>

**package** com.example;

**public** **class** MyService {

**private** **final** MyDependency dependency;

**public** MyService(MyDependency dependency) {

**this**.dependency = dependency;

}

**public** String greet(String name) {

**return** dependency.createGreeting(name);

}

}

**package** com.example;

**public** **class** MyDependency {

**public** String createGreeting(String name) {

**return** "Hello, " + name + "!";

}

}

**package** com.example;

**import** org.junit.jupiter.api.Test;

**import** org.mockito.Mockito;

**import** **static** org.junit.jupiter.api.Assertions.*assertEquals*;

**import** **static** org.mockito.Mockito.\*;

**public** **class** MyServiceTest {

@Test

**public** **void** testGreet() {

MyDependency mockDep = Mockito.*mock*(MyDependency.**class**);

*when*(mockDep.createGreeting("Alice")).thenReturn("Hi, Alice!");

MyService service = **new** MyService(mockDep);

String result = service.greet("Alice");

*assertEquals*("Hi, Alice!", result);

*verify*(mockDep).createGreeting("Alice");

}

}

OUTPUT:

