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| **1. JUnit\_Basic Testing** | **Exercise 1: Setting Up JUnit** |

**Pom.xml:**

<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

https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>junit-demo</artifactId>

<version>1.0-SNAPSHOT</version>

<properties>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<!-- JUnit dependency -->

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<!-- To run main() using mvn exec:java -->

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>3.1.0</version>

<configuration>

<mainClass>com.example.App</mainClass>

</configuration>

</plugin>

</plugins>

</build>

</project>

**App.java:**

package com.example;

/\*\*

\* Hello world!

\*/

public class App {

// Method we will test

public String greet(String name) {

return "Hello, " + name;

}

public static void main(String[] args) {

App app = new App();

System.out.println(app.greet("Anu")); // Output: Hello, Anu

}

}

**AppTest.java:**

package com.example;

import org.junit.Test;

import static org.junit.Assert.assertEquals;

public class AppTest {

@Test

public void testGreet() {

App app = new App();

String result = app.greet("Anu");

// Print output to see in terminal

System.out.println("Greeting Output from Test: " + result);

assertEquals("Hello, Anu", result);

}

}

**OUTPUT:**

A screen shot of a computer

AI-generated content may be incorrect.