

Write a program to demonstrate dynamic tests.

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
http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>UsingJUnit</groupId>
    <artifactId>UsingJUnit</artifactId>
    <version>0.0.1-SNAPSHOT</version>

    <dependencies>
        <dependency>
            <groupId>org.junit.jupiter</groupId>
            <artifactId>junit-jupiter-engine</artifactId>
            <version>5.4.2</version>
        </dependency>

        <dependency>
            <groupId>org.junit.platform</groupId>
            <artifactId>junit-platform-launcher</artifactId>
            <version>1.2.0</version>
        </dependency>
    </dependencies>
</project>
```

DynamicTests.java:

```
package com.ecommerce.tests;

import static org.junit.jupiter.api.Assertions.assertTrue;
import static org.junit.jupiter.api.DynamicTest.dynamicTest;

import java.util.Arrays;
import java.util.Collection;

import org.junit.jupiter.api.DisplayName;
import org.junit.jupiter.api.DynamicTest;
import org.junit.jupiter.api.TestFactory;
import org.junit.jupiter.api.function.Executable;

@DisplayName("JUnit 5 Dynamic Tests Example")
public class DynamicTests {

    @TestFactory
    Collection<DynamicTest> dynamicTests() {
        return Arrays.asList(
            dynamicTest("simple dynamic test", () -> assertTrue(true)),
            dynamicTest("My Executable Class", new MyExecutable()),
            dynamicTest("Exception Executable", () -> {throw new
Exception("Exception Example");}),
            dynamicTest("simple dynamic test-2", () -> assertTrue(true))
        );
    }
}
```

```
}
```

```
class MyExecutable implements Executable {  
    @Override  
    public void execute() throws Throwable {  
        System.out.println("Hello World!");  
    }  
}
```