

Parameterized Tests Setup

This lesson demonstrates how to setup and run Parameterized Tests in JUnit 5.

We'll cover the following



- Introduction to Parameterized Tests
- Setup

Introduction to Parameterized Tests

Parameterized tests allow us to run a test multiple times with different arguments. Parameterized tests are normal test methods but instead of annotating them with `@Test`, we use `@ParameterizedTest` annotation.

In order to pass different arguments to `@ParameterizedTest` annotated method, we need to provide a `source`.

A source is simply a collection of different arguments.

JUnit 5 has many types or ways through which we pass different arguments to test methods.

Setup

Maven - In order to use parameterized tests, you need to add a dependency for `junit-jupiter-params` to maven project. Just add below dependency to pom.xml which we created in our earlier lesson (JUnit 5 Integration with Maven) -

<https://www.educative.io/collection/page/4753235730497536/5693417237512192/5071437253574656>.

```
2 <groupId>org.junit.jupiter</groupId>
3 <artifactId>junit-jupiter-params</artifactId>
4 <version>${junit.jupiter.version}</version>
5 <scope>test</scope>
6 </dependency>
```



junit-jupiter-params maven dependency

In our upcoming lesson, we will learn how to use multiple sources to pass different arguments to **@ParameterizedTest** methods.