**Parameterized tests in Junit**

Parameterized tests allow us to reduce the code base and easily verify multiple test cases without the need to create a separate test method for each one.

By using parameterized tests, we can reuse the single test configuration between multiple test cases

To use the parameterized tests we should add the following dependency

<dependency>

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

<artifactId>junit-jupiter-params</artifactId>

<version>5.9.0</version>

<scope>test</scope>

</dependency>

Let us take an example to explain Parameterized tests

**Private** **final** PhoneValidationService phoneValidationService = **new** TestPhoneValidationService();

@ParameterizedTest

    @ValueSource(strings = {"555 555 55 55", "5555555555", "+15555555555"})

    void testProcessValidPhones(String phone) {

        assertTrue(phoneValidationService.validatePhone(phone));

    }

As was mentioned above the @ParameterizedTest simply replaces the @Test annotation.

The method testProcessValidPhones will execute 3 times with 3 different values.

As there are 3 strings in @valueSource