@RepeatedTest with Display Name

This lesson demonstrates how to use @RepeatedTest annotation with a custom display name.

> **We'll cover the following** ⌃
>
> - @Repeated Tests with @DisplayName
>
> - Explanation

@Repeated Tests with @DisplayName

In our previous lesson, we saw how to use `@RepeatedTest` annotation to run tests multiple times. `@RepeatedTest` takes in a value of type integer. This integer value is the count of the number of times the test case will be executed. The output of Junit Test case in the previous lesson had the default display name for the test case. In this lesson, we can also provide custom display name using `@DisplayName` annotation over `@RepeatedTest`. The `name` attribute of `@RepeatedTest` can be used to provide a custom display name.

Let's look into a demo.
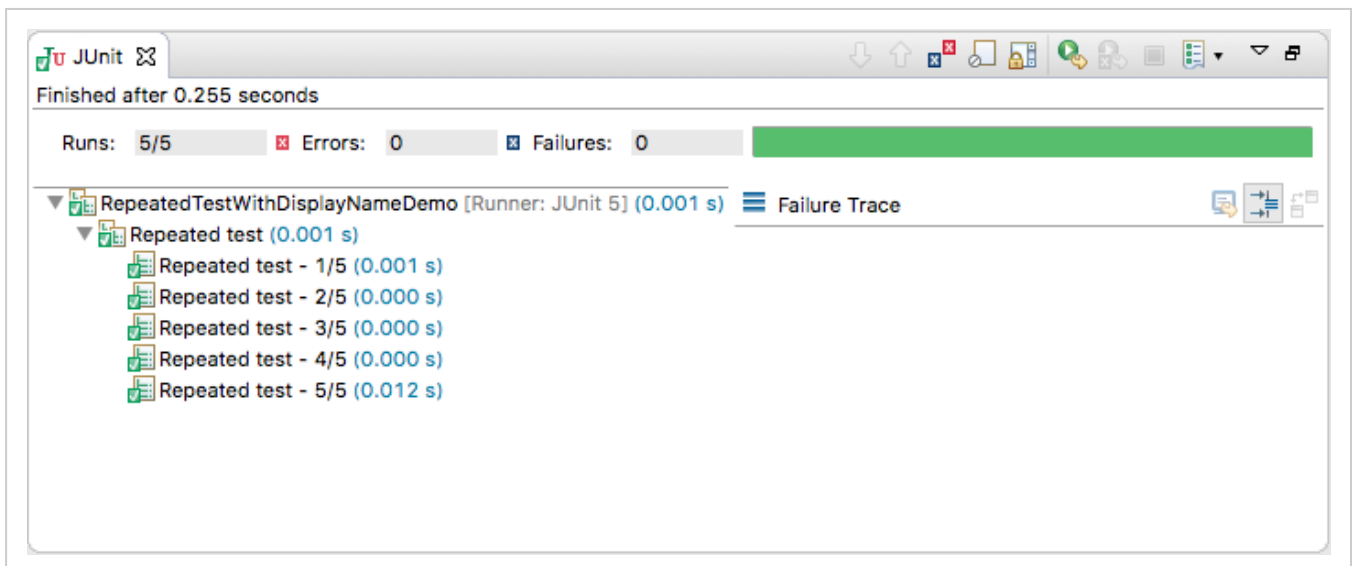

🍵 RepeatedTestWithDisplayNameDemo.java

```java
1   package com.hubberspot.junit5.
2
3   import static org.junit.jupiter
4
5   import org.junit.jupiter.api.D
6   import org.junit.jupiter.api.R
7
8   public class RepeatedTestWithD
9
10      @RepeatedTest(name="{displ
11                  value = 5)
12      @DisplayName("Repeated tes
13      public void repeatedTestWi
14          assertTrue(0 < 5);
15      }
16
17  }
```

```java
1   package io.educative.junit5;
2
3   import static org.junit.jupiter.api.Assertions.assertTrue;
4
5   import org.junit.jupiter.api.DisplayName;
6   import org.junit.jupiter.api.RepeatedTest;
7
8   public class RepeatedTestWithDisplayNameDemo {
9
10      @RepeatedTest(name="{displayName} - {currentRepetition}/{totalRepetitions}",
11                      value = 5)
12      @DisplayName("Repeated test")
13      public void repeatedTestWithDisplayName() {
14          assertTrue(0 < 5);
15      }
16
17  }
```


JUnit

Finished after 0.255 seconds

Runs: 5/5   Errors: 0   Failures: 0

RepeatedTestWithDisplayNameDemo [Runner: JUnit 5] (0.001 s)   Failure Trace
  Repeated test (0.001 s)
    Repeated test - 1/5 (0.001 s)
    Repeated test - 2/5 (0.000 s)
    Repeated test - 3/5 (0.000 s)
    Repeated test - 4/5 (0.000 s)
    Repeated test - 5/5 (0.012 s)

Explanation

On running `RepeatedTestWithDisplayNameDemo.java` as JUnit Test case, the output generated is demonstrated in the above image.

`@RepeatedTest` annotation takes in a `name` attribute of type String. This `name` value overrides default name of `@RepeatedTest`. Using below static placeholders in `name` attribute will override existing default names -

- `{displayName}` : display name of the @RepeatedTest method

- `{currentRepetition}` : the current repetition count

- `{totalRepetitions}` : the total number of repetitions

The above demo shows that the Junit test case ran with below format -

{displayName} - *{currentRepetition}* / *{totalRepetitions}*

This marks the end of the course, hope you enjoyed learning.