

assumingThat() method

This lesson demonstrates how to use the assumingThat method in JUnit 5 to make conditional assumptions.

WE'LL COVER THE FOLLOWING ^

- assumingThat()
- Demo

assumingThat()

Assumptions API in JUnit 5 has a static utility method called, `assumingThat()`. This method takes a boolean assumption and an Executable. It validates the given assumption and based on its outcome it decides whether to execute an Executable or not.

- If the assumption is invalid, this method does nothing.
- If the supplied assumption is valid, it executes the supplied Executable.

There are basically two useful overloaded methods for assumingThat.

```
public static void assumingThat(boolean assumption, Executable executable)
public static void assumingThat(BooleanSupplier assumptionSupplier, Executable executable)
```



Demo

Let's look into the usage of the above methods.

```
package io.educative.junit5;

import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.junit.jupiter.api.Assumptions.assumingThat;

import org.junit.jupiter.api.Test;

public class AssumingThatDemo {

    @Test
```



```

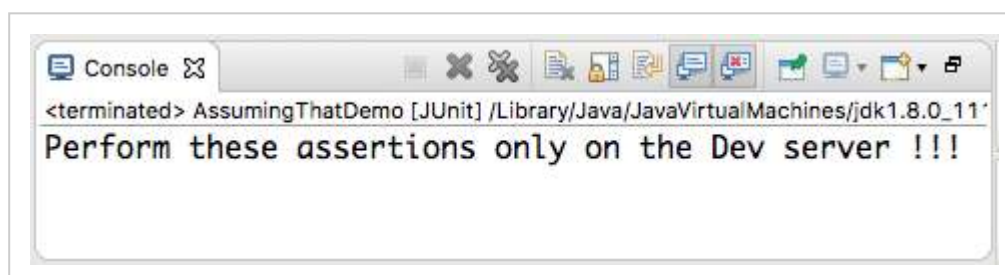
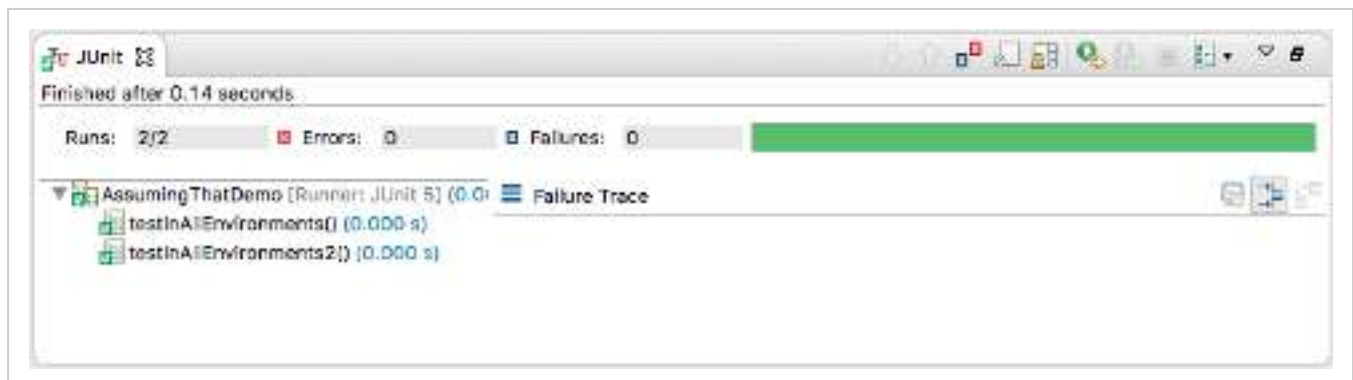
void testInAllEnvironments() {
    System.setProperty("ENV", "DEV");
    assumingThat("DEV".equals(System.getProperty("ENV")),
        () -> {
            // perform these assertions only on the Dev server
            System.out.println("Perform these assertions only on the Dev server !!!");
            assertEquals(2, 1 + 1);
        });

    // perform these assertions in all environments
    assertEquals(42, 40 + 2);
}

@Test
void testInAllEnvironments2() {
    System.setProperty("ENV", "DEV");
    assumingThat("PROD".equals(System.getProperty("ENV")),
        () -> {
            // perform these assertions only on the Prod server
            System.out.println("Perform these assertions only on the Prod server !!!");
            assertEquals(2, 1 + 1);
        });

    // perform these assertions in all environments
    assertEquals(42, 40 + 2);
}
}

```



In the next chapter we will learn about Disable or Enable Tests in JUnit 5.

