Source code for a JUnit Test Case (with at least 2 tests)

We work on the lab 7 repo with an extra function that implements a solution to the two sum problem (given an array and a target value, find two elements from the array that sums up to the given value, or report that no such solutions exist).

Source code to the implementation

```
package org.example;
import java.util.Arrays;
import java.util.HashMap;
import java.util.Map;
```

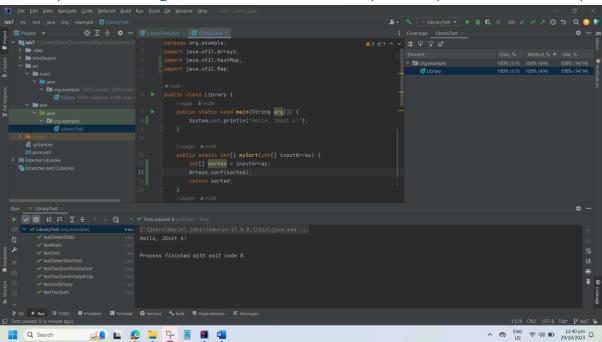
Source code to the test cases

```
oackage org.example;
   public void testMain() {
       assertArrayEquals(expected, sorted);
   public void testSortEmpty() {
   public void testDetectOdd() {
   public void testDetectNotOdd() {
   public void testTwoSumNoSolution() {
```

```
int target = 8;
try {
    Library.twoSum(nums, target);
    fail("Expect IllegalArgumentException");
} catch (IllegalArgumentException e) {
    assertEquals("No solution.", e.getMessage());
}

@Test
public void testTwoSumEmptyArray() {
    int[] nums = {};
    int target = 9;
    try {
        Library.twoSum(nums, target);
        fail("Expect IllegalArgumentException");
    } catch (IllegalArgumentException e) {
        assertEquals("No solution.", e.getMessage());
    }
}
```

Test report showing all the tests have been passed (100% successful)



Coverage report showing the coverage (10% or higher)

