

IS2545 - DELIVERABLE 4 - PROPERTY-BASED TESTING

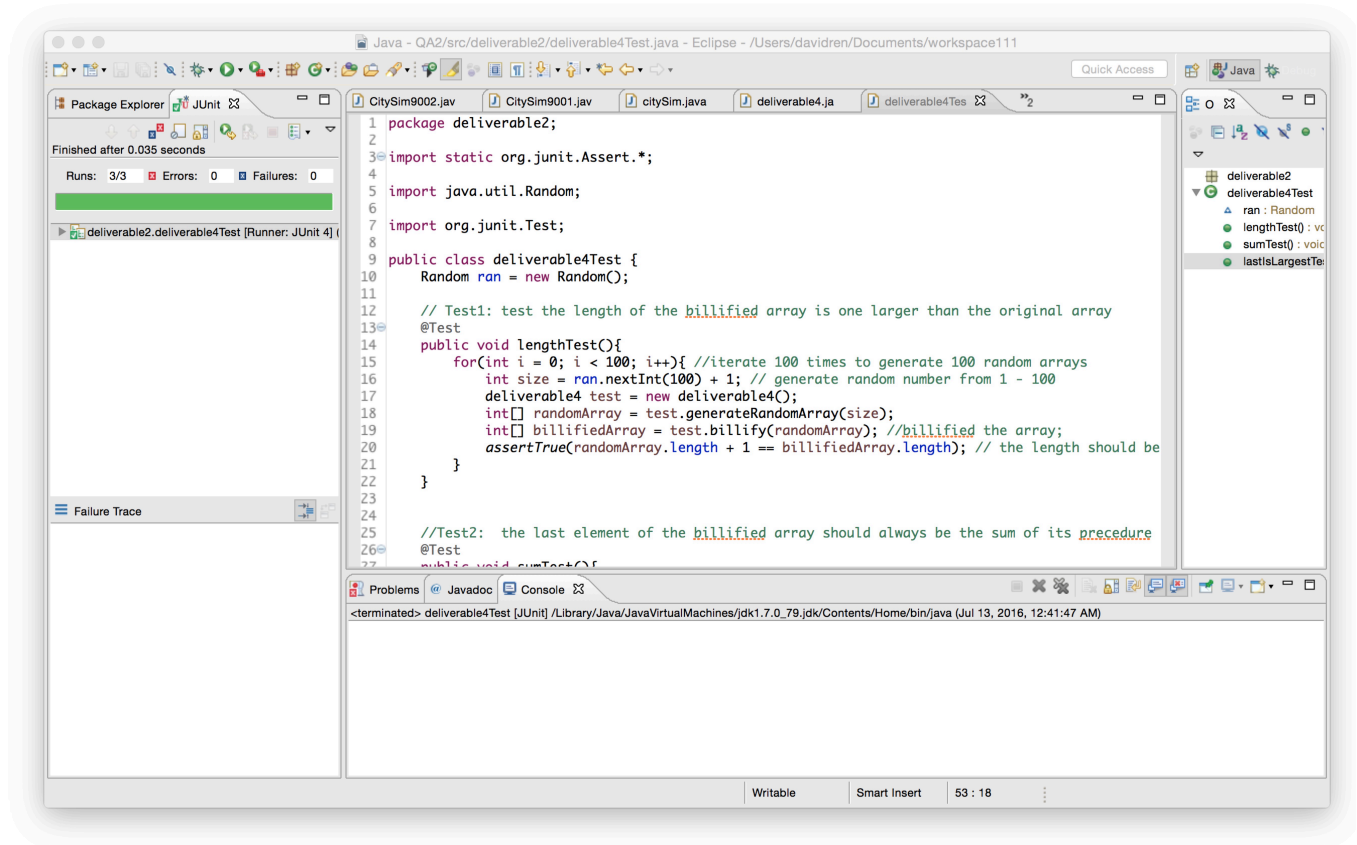
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Summary:

During the test, I do not have much trouble to finish both of the billify method and the test. Because I do not need to worry about the time complexity and the space I optimize, I just square each element and then added all of them.

When I was doing the tests, the idea come to my mind was there should no nulls or zero length arrays. But I limited these requirements during the generating of random array, so I did not decide to test them.

Then I came up with some ideas, the first one is test the new array' s length is greater than the old one' s by one. And obvious the last elements should be the sum of the elements before, this is the second test. Conspicuously, the last digit should be greater than any one before it, the only exception is when the array' s length is one, so the sum will be equal to the element before(it is itself).



url:

billify:

<https://github.com/renjiandreamore/AwesomeBill/blob/master/deliverable4.java>

test:

<https://github.com/renjiandreamore/AwesomeBill/blob/master/deliverable4Test.java>