

Running Junit test:

Finished after 0.096 seconds

Runs: 1/1 ✖ Errors: 0 ✖ Failures: 0

> GradeBookTester [Runner: JUnit 5] (0.004 s)

```

3
4 public class GradeBook {
5     private double[] scores;
6     private int scoresSize;
7
8     /**
9      * Constructs a gradebook with
10     *
11     * @param capacity the maximum
12     *
13     */
14     public GradeBook(int capacity) {
15         scores = new double[capacity];
16         scoresSize = 0;
17     }
18
19     /**

```

GradeBook Tester:

```

1 import org.junit.After;
2 import org.junit.Before;
3 import org.junit.Test;
4 import static org.junit.Assert.*;
5
6 public class GradeBookTester {
7
8     private GradeBook gradeBook1;
9     private GradeBook gradeBook2;
10
11     @Before
12     public void setUp() {
13         // Create two GradeBook objects with a capacity of 5
14         gradeBook1 = new GradeBook(5);
15         gradeBook2 = new GradeBook(5);
16
17         // Add some random scores to gradeBook1
18         gradeBook1.addScore(85.5);
19         gradeBook1.addScore(90.0);
20
21         // Add some random scores to gradeBook2
22         gradeBook2.addScore(75.25);
23         gradeBook2.addScore(88.75);
24     }
25
26     @After
27     public void tearDown() {
28         // Set the GradeBook objects to null
29         gradeBook1 = null;
30         gradeBook2 = null;
31     }
32
33     @Test
34     public void testAddScore() {
35         // Add more random scores to gradeBook1
36         gradeBook1.addScore(80.0);
37         gradeBook1.addScore(95.0);
38
39         // Assert that gradeBook1 has the expected scores and score size

```

```

13 // Create two GradeBook objects with a capacity of 5
14 gradeBook1 = new GradeBook(5);
15 gradeBook2 = new GradeBook(5);
16
17 // Add some random scores to gradeBook1
18 gradeBook1.addScore(85.5);
19 gradeBook1.addScore(90.0);
20
21 // Add some random scores to gradeBook2
22 gradeBook2.addScore(75.25);
23 gradeBook2.addScore(88.75);
24
25
26 @After
27 public void tearDown() {
28     // Set the GradeBook objects to null
29     gradeBook1 = null;
30     gradeBook2 = null;
31 }
32
33 @Test
34 public void testAddScore() {
35     // Add more random scores to gradeBook1
36     gradeBook1.addScore(80.0);
37     gradeBook1.addScore(95.0);
38
39     // Assert that gradeBook1 has the expected scores and score size
40     assertEquals("85.5 90.0 80.0 95.0", gradeBook1.toString());
41     assertEquals(4, gradeBook1.getScoreSize());
42
43     // Add more random scores to gradeBook2
44     gradeBook2.addScore(82.5);
45
46     // Assert that gradeBook2 has the expected scores and score size
47     assertEquals("75.25 88.75 82.5", gradeBook2.toString());
48     assertEquals(3, gradeBook2.getScoreSize());
49 }
50 }
51

```

GitHub Upload:

CMSC203_Lab3
Public

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1 Branch
0 Tags

Add file
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About

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1 Commits

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|----------------------|----------------------|-----|
| GradeBook.java | Add files via upload | now |
| GradeBookTester.java | Add files via upload | now |

README

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