

IT 314

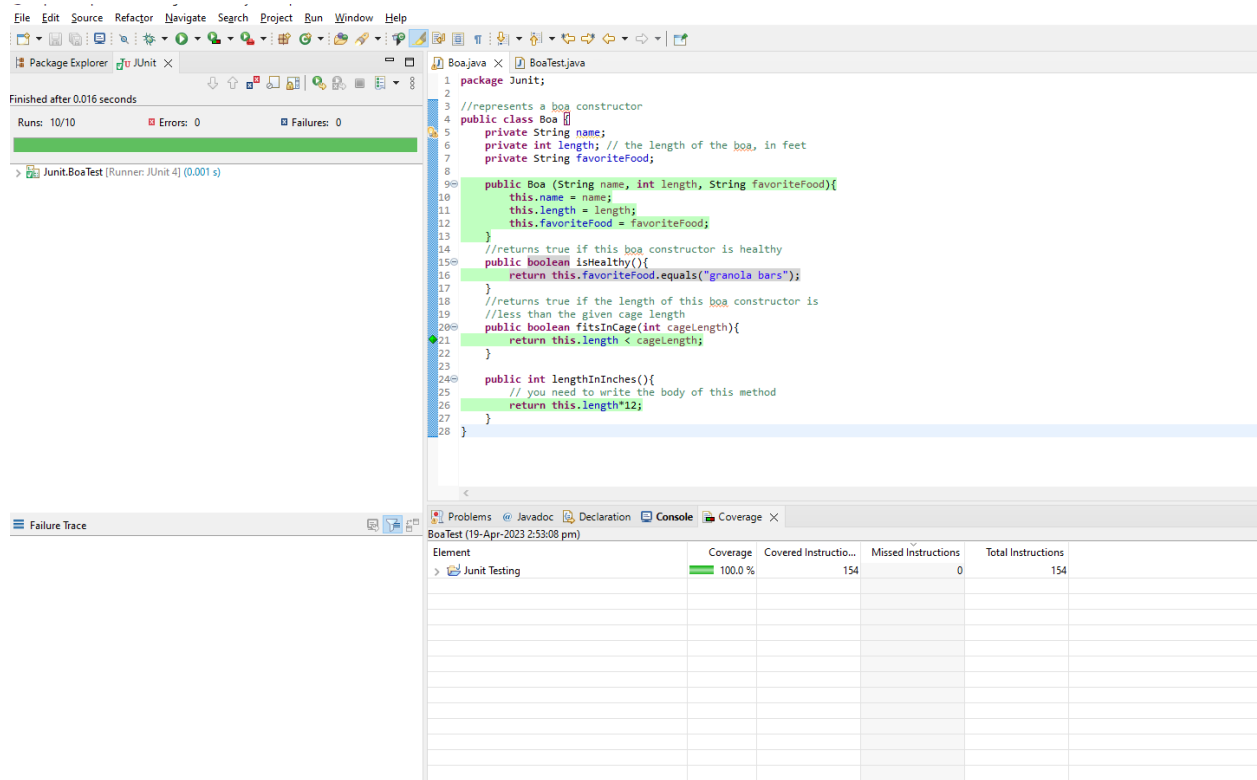
Software Engineering

Name- **Archit Singh**

Student ID- **202001272**

Group **5**

Boa class file:



BoaTest.java file:

Created 10 test cases: 2 for checking isHealthy() function, 6 for fitsInCage() function and 2 for lengthInInches() function.

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer JUnit X

Finished after 0.016 seconds

Runs: 10/10 Errors: 0 Failures: 0

JUnit:BoaTest [Runner:JUnit4] (0.001 s)

- lengthInInches_1 (0.000 s)
- lengthInInches_2 (0.000 s)
- testIsHealthy_1 (0.000 s)
- testIsHealthy_2 (0.000 s)
- testFitsInCage_1 (0.000 s)
- testFitsInCage_2 (0.000 s)
- testFitsInCage_3 (0.000 s)
- testFitsInCage_4 (0.000 s)
- testFitsInCage_5 (0.000 s)
- testFitsInCage_6 (0.000 s)

BoaTest (19-Apr-2023 2:53:08 pm)

Element	Coverage	Covered Instruction...	Missed Instructions	Total Instructions
> JUnit Testing	100.0 %	154	0	154

BoaTest (19-Apr-2023 2:53:08 pm)

```

36 @Test
37 public void testFitsInCage_2() {
38     boolean output = jen.fitsInCage(1);
39     assertEquals(output, false);
40 }
41
42 @Test
43 public void testFitsInCage_3() {
44     boolean output = jen.fitsInCage(2);
45     assertEquals(output, false);
46 }
47
48 @Test
49 public void testFitsInCage_4() {
50     boolean output = ken.fitsInCage(5);
51     assertEquals(output, true);
52 }
53
54 @Test
55 public void testFitsInCage_5() {
56     boolean output = ken.fitsInCage(1);
57     assertEquals(output, false);
58 }
59
60 @Test
61 public void testFitsInCage_6() {
62     boolean output = ken.fitsInCage(3);
63     assertEquals(output, false);
64 }
65
66 @Test

```

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Package Explorer JUnit X

Finished after 0.016 seconds

Runs: 10/10 Errors: 0 Failures: 0

JUnit:BoaTest [Runner:JUnit4] (0.001 s)

- lengthInInches_1 (0.000 s)
- lengthInInches_2 (0.000 s)
- testIsHealthy_1 (0.000 s)
- testIsHealthy_2 (0.000 s)
- testFitsInCage_1 (0.000 s)
- testFitsInCage_2 (0.000 s)
- testFitsInCage_3 (0.000 s)
- testFitsInCage_4 (0.000 s)
- testFitsInCage_5 (0.000 s)
- testFitsInCage_6 (0.000 s)

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BoaTest (19-Apr-2023 2:53:08 pm)

```

51     assertEquals(output, true);
52 }
53
54 @Test
55 public void testFitsInCage_5() {
56     boolean output = ken.fitsInCage(1);
57     assertEquals(output, false);
58 }
59
60 @Test
61 public void testFitsInCage_6() {
62     boolean output = ken.fitsInCage(3);
63     assertEquals(output, false);
64 }
65
66 @Test
67 public void lengthInInches_1() {
68     int output = jen.lengthInInches();
69     assertEquals(output, 24);
70 }
71
72 @Test
73 public void lengthInInches_2() {
74     int output = ken.lengthInInches();
75     assertEquals(output, 36);
76 }
77
78
79
80
81 }
82

```

