

CircleTest.java

```
1 package shapes;
2
3 import static org.junit.jupiter.api.Assertions.*;
4
5
6 class CircleTest {
7
8     @Test
9     void test() {
10         AllShapes shapes = new AllShapes();
11         Rectangle r1 = new Rectangle("blue", 2,3);
12         shapes.add(r1);
13
14         Rectangle r2 = new Rectangle("blue", 2,3);
15         shapes.add(r2);
16
17         //assertTrue(mycar.getTankSize()> size);
18
19         assertTrue(r1.getLength() == r2.getLength() && r1.getWidth() == r2.getWidth() && r1.getColour() == r2.getColour());
20
21         Rectangle r3 = new Rectangle("green", 2,3);
22         shapes.add(r3);
23
24         assertTrue(r1.getLength() == r3.getLength() && r1.getWidth() == r3.getWidth() && r1.getColour() != r3.getColour());
25
26         RtAngleTriangle t1 = new RtAngleTriangle("blue", 2,4);
27         shapes.add(t1);
28
29
30
31
32         Circle c1 = new Circle("green", 4);
33         shapes.add(c1);
34
35         assertTrue(c1 == shapes.getShape(4));
36     }
37 }
38
39
```

