```java
1  package examples;
2
3  import static org.junit.Assert.*;
7
8  /**
9   * Some test cases for Sentence.
10  *
11  * @author Curt Clifton.
12  */
13 public class SentenceTest {
14
15     private Sentence sentence1;
16     private Sentence sentence2;
17     private Sentence sentence3;
18     private Sentence sentence4;
19     private Sentence sentence5;
20     private Sentence sentence6;
21     private Sentence sentence7;
22     private Sentence sentence8;
23     private Sentence sentence9;
24     private Sentence sentence10;
25
26     /**
27      * Sets up some test sentences.
28      *
29      * @throws java.lang.Exception
30      */
31     @Before
32     public void setUp() throws Exception {
33         this.sentence1 = new Sentence("deified");
34         this.sentence2 = new Sentence("I prefer Pi");
35         this.sentence3 = new Sentence("A man, a plan, a canal -- Panama!");
36         this.sentence4 = new Sentence("Madam, I'm Adam");
37         this.sentence5 = new Sentence("Go hang a salami, I'm a lasagna hog.");
38         this.sentence6 = new Sentence("A");
39         this.sentence7 = new Sentence("AA");
40         this.sentence8 = new Sentence("ABA");
41         this.sentence9 = new Sentence("AB");
42         this.sentence10 = new Sentence("!AB");
43     }
44
45     /**
46      * Test method for {@link examples.Sentence#isPalindrome()}.
47      */
48     @Test
49     public void testIsPalindrome() {
50         assertTrue(this.sentence1.isPalindrome());
51         assertTrue(this.sentence2.isPalindrome());
52         assertTrue(this.sentence3.isPalindrome());
53         assertTrue(this.sentence4.isPalindrome());
54         assertTrue(this.sentence5.isPalindrome());
55         assertTrue(this.sentence6.isPalindrome());
56         assertTrue(this.sentence7.isPalindrome());
57         assertTrue(this.sentence8.isPalindrome());
58         assertFalse(this.sentence9.isPalindrome());
59         assertFalse(this.sentence10.isPalindrome());
```

```
60    }
61
62    /**
63     * Test method for {@link examples.Sentence#isPalindrome()}.
64     */
65    @Test
66    public void testReverse() {
67        assertEquals("", new Sentence("").reverse().toString());
68        assertEquals("A", new Sentence("A").reverse().toString());
69        assertEquals("AB", new Sentence("BA").reverse().toString());
70        assertEquals("banana", new Sentence("ananab").reverse().toString());
71    }
72
73 }
74
```