

```
1 package Game;
2
3 import org.junit.jupiter.api.Test;
4
5 import static org.junit.jupiter.api.Assertions.*;
6
7 class CardTest {
8
9     @Test
10     void testGetValue() {
11         Card c1 = new Card(2, Card.Suit.HEARTS);
12         Card c2 = new Card(11, Card.Suit.SPADES);
13         Card c3 = new Card(13, Card.Suit.CLUBS);
14         assertEquals(2, c1.getValue());
15         assertEquals(10, c2.getValue());
16         assertEquals(10, c3.getValue());
17     }
18
19     @Test
20     void testIsRed() {
21         Card redCard1 = new Card(5, Card.Suit.HEARTS);
22         Card redCard2 = new Card(8, Card.Suit.DIAMONDS);
23         Card blackCard = new Card(9, Card.Suit.SPADES);
24         assertTrue(redCard1.isRed());
25         assertTrue(redCard2.isRed());
26         assertFalse(blackCard.isRed());
27     }
28
29     @Test
30     void testToString() {
31         Card card = new Card(1, Card.Suit.SPADES);
32         assertEquals("A of SPADES", card.toString());
33
34         card = new Card(12, Card.Suit.CLUBS);
35         assertEquals("Q of CLUBS", card.toString());
36     }
37
38     @Test
39     void testSuitEnum() {
40         assertNotNull(Card.Suit.valueOf("HEARTS"));
41         assertNotNull(Card.Suit.valueOf("DIAMONDS"));
42         assertNotNull(Card.Suit.valueOf("CLUBS"));
43         assertNotNull(Card.Suit.valueOf("SPADES"));
44     }
45 }
46
```