```
/**
 *
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 *
 *    this method did not work when the string length is 2.
 *
 *    Test Plan:
 *
 *         palindrome             result                   reason
  --------- -----------  ------------
      ----------------------------
         ""                        true                Empty string backwards is
still empty string.
         BCD                       false             BCD backwards is not the same.
         ABC                       false             ABC backwards is not the same.
         DEA                       false             DEA backwards is not the same.
         DE                        false             DE backwards is not the same.
         DD                        true              DD backwards is the same.



 */
import static org.junit.jupiter.api.Assertions.*;

import org.junit.jupiter.api.Test;

import osu.cse2123.UnitTesting;

class isPalindromeTest {

      @Test
      void testIsPalindromeEmpty() {
            String palindrome = "";
            boolean truth = true;
            boolean test = UnitTesting.isPalindrome(palindrome);
            assertEquals(truth,test);
      }


      @Test
      void testIsPalindromeBCD() {
            String palindrome = "BCD";
            boolean truth = false;
            boolean test = UnitTesting.isPalindrome(palindrome);
            assertEquals(truth,test);
      }

      @Test
      void testIsPalindromeABC() {
            String palindrome = "ABC";
            boolean truth = false;
            boolean test = UnitTesting.isPalindrome(palindrome);
            assertEquals(truth,test);
      }

      @Test
```

```
void testIsPalindromeDEA() {
      String palindrome = "DEA";
      boolean truth = false;
      boolean test = UnitTesting.isPalindrome(palindrome);
      assertEquals(truth,test);
}


@Test
void testIsPalindromeDE() {
      String palindrome = "DE";
      boolean truth = false;
      boolean test = UnitTesting.isPalindrome(palindrome);
      assertEquals(truth,test);
}

@Test
void testIsPalindromeDD() {
      String palindrome = "DD";
      boolean truth = true;
      boolean test = UnitTesting.isPalindrome(palindrome);
      assertEquals(truth,test);
}

}
```