CS-135 Lab Sheet 4

Task 4.1

Task 4.2

```
@Test
public void test10() {
    assertEquals("day out of range", nextDateFunction.tomorrow(6, 31, 2000));
    .
  1⊕ import static org.junit.Assert.*;[]
    public class TestSuite {
                                                                                                                                  @Test
public void test11() {
    assertEquals("day out of range", nextDateFunction.tomorrow(6, 31, 1996));
          public void test1() {
    assertEquals("15.6.---2000", nextDateFunction.tomorrow(6, 14, 2000));
@Test
public void test12() {
    assertEquals("day out of range", nextDateFunction.tomorrow(6, 31, 2002));
    .
          @Test
public void test2() {
    assertEquals("15.6.---1996", nextDateFunction.tomorrow(6, 14, 1996));
         @Test
public void test3() {
    assertEquals("15.6.--2002", nextDateFunction.tomorrow(6, 14, 2002));
    .
                                                                                                                                  @Test
public void test13() {
    assertEquals("15.7.---2000", nextDateFunction.tomorrow(7, 14, 2000));
                                                                                                                                  @Test
public void test14() {
    assertEquals("15.7.---1996", nextDateFunction.tomorrow(7, 14, 1996));
          @Test
public void test4() {
    assertEquals("30.6.---2000", nextDateFunction.tomorrow(6, 29, 2000));
          @Test
public void test5() {
    assertEquals("30.6.---1996", nextDateFunction.tomorrow(6, 29, 1996));
                                                                                                                                  @Test
public void test15() {
    assertEquals("15.7.---2002", nextDateFunction.tomorrow(7, 14, 2002));
                                                                                                                      81@
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92@
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97@
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          @Test
public void test6() {
    assertEquals("30.6.---2002", nextDateFunction.tomorrow(6, 29, 2002));
    .
                                                                                                                                  @Test
public void test16() {
    assertEquals("30.7.---2000", nextDateFunction.tomorrow(7, 29, 2000));
    .
                                                                                                                                  @Test
public void test17() {
    assertEquals("30.7.---1996", nextDateFunction.tomorrow(7, 29, 1996));
    .
          public void test7() {
    assertEquals("1.7.---2000", nextDateFunction.tomorrow(6, 30, 2000));
          @Test
public void test8() {
    assertEquals("1.7.---1996", nextDateFunction.tomorrow(6, 30, 1996));
    .
                                                                                                                                  @Test
public void test18() {
    assertEquals("30.7.---2002", nextDateFunction.tomorrow(7, 29, 2002));
          @Test
public void test9() {
    assertEquals("1.7.---2002", nextDateFunction.tomorrow(6, 30, 2002));
.
                                                                                                                                  @Test
public void test19() {
   assertEquals("31.7.---2000", nextDateFunction.tomorrow(7, 30, 2000));
   .
```

```
public void test20() {
    assertEquals("31.7.---1996", nextDateFunction.tomorrow(7, 30, 1996));
109
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1138
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1198
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121
122
123
1248
              public void test21() {
    assertEquals("31.7.--2002", nextDateFunction.tomorrow(7, 30, 2002));
              @Test
public void test22() {
    assertEquals("1.8.---2000", nextDateFunction.tomorrow(7, 31, 2000));
.
              public void test23() {
    assertEquals("1.8.---1996", nextDateFunction.tomorrow(7, 31, 1996));
125
126
127
128
129 0
131
132
133
134
135 0
136
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158
                                                                                                                                                            public void test30() {
   assertEquals("day out of range", nextDateFunction.tomorrow(2, 29, 2002));
              public void test24() {
    assertEquals("1.8.---2002", nextDateFunction.tomorrow(7, 31, 2002));
                                                                                                                                                           @Test
public void test31() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 30, 2000));
                                                                                                                                                           @Test
public void test32() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 30, 1996));
    .
             @Test
public void test26() {
    assertEquals("15.2.---1996", nextDateFunction.tomorrow(2, 14, 1996));
.
                                                                                                                                                           @Test
public void test33() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 30, 2002));
    .
              public void test27() {
    assertEquals("15.2.---2002", nextDateFunction.tomorrow(2, 14, 2002));
                                                                                                                                                           @Test
public void test34() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 31, 2000));
    .
             @Test
public void test28() {
    assertEquals("1.3.---2000", nextDateFunction.tomorrow(2, 29, 2000));
    .
                                                                                                                                                           @Test
public void test35() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 31, 1996));
              @Test
public void test29() {
    assertEquals("1.3.---1996", nextDateFunction.tomorrow(2, 29, 1996));
    .
                                                                                                                                                            @Test
public void test36() {
    assertEquals("day out of range", nextDateFunction.tomorrow(2, 31, 2002));

             }
Package Explorer ut JUnit
                             Finished after 0.111 seconds
  Runs: 36/36 ☐ Errors: 0 ☐ Failures: 36
                             er: JUnit 5] (0.034 s)
         test10 (0.002 s)
         test11 (0.001 s)
test12 (0.001 s)
test13 (0.000 s)
test14 (0.000 s)
test14 (0.000 s)
test15 (0.002 s)
test16 (0.002 s)
          test17 (0.001 s)
         test18 (0.001 s
test19 (0.000 s
          test21 (0.001 s)
         test22 (0.001 s)
         test22 (0.001 s)
test23 (0.000 s)
test24 (0.000 s)
test25 (0.001 s)
          test26 (0.000 s)
          test27 (0.001 s)
         test29 (0.001 s)
test29 (0.000 s)
test30 (0.001 s)
         test31 (0.001 s)
          test32 (0.000 s)
         test32 (0.000 s)
test33 (0.001 s)
test34 (0.001 s)
test35 (0.000 s)
          test36 (0.001 s)
          test1 (0,001 s)
         test2 (0.000 s)
test3 (0.001 s)
          test5 (0.000 s)
          test6 (0.001 s)
         test8 (0.002 s)
test8 (0.002 s)
test9 (0.001 s)
```

Above are images documenting every test case encoded as separate methods as well as an image showing the JUnit results. Comparing each test method to its test in the table will prove that the input and expected output have been completed for every test and that the right method from nextDayFunction is being tested.