

```
1 namespace ClockClassUnitTest
2 {
3     public class Tests
4     {
5         Clock _clock_test;
6
7         [SetUp]
8         public void Setup()
9         {
10             _clock_test = new Clock();
11         }
12
13         [Test]
14         public void TestClockStart()
15         {
16             Assert.AreEqual("00:00:00", _clock_test.ClockTime);
17         }
18
19         [Test]
20         public void TestTick()
21         {
22             _clock_test.Tick();
23             Assert.AreEqual("00:00:01", _clock_test.ClockTime);
24         }
25
26         [Test]
27         public void TestReset()
28         {
29             _clock_test.Tick();
30             _clock_test.Reset();
31             Assert.AreEqual("00:00:00", _clock_test.ClockTime);
32         }
33
34         [TestCase(60)]
35         public void TestFormat(int times)
36         {
37             for(int i=0; i<times; i++)
38             {
39                 _clock_test.Tick();
40             }
41             Assert.AreEqual("00:01:00", _clock_test.ClockTime);
42         }
43     }
44 }
```