

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace HospitalChargesBreshears.Tests
{
    [TestClass]
    0 references
    public class HospitalChargesTests
    {
        [TestMethod]
        ✓ | 0 references
        public void HospitalCharges_CalcStayCharges_Return700()
        {
            int days = 2;
            int expected = 700;
            HospitalCharges x = new HospitalCharges();
            int result = x.CalcStayCharges(days);
            Assert.AreEqual(expected, result, "Somehow, the end result was not equal");
        }
    }
}
```

Output from: Tests

```
2019 10:03:27 AM Informational] ----- Run test started -----
2019 10:03:29 AM Informational] ===== Run test finished: 1 run (0:00:01.8716083) =====
2019 10:04:23 AM Informational] ----- Discover test started -----
2019 10:04:24 AM Informational] ===== Discover test finished: 1 found (0:00:00.8405182) =====
2019 10:04:24 AM Informational] ----- Run test started -----
2019 10:04:26 AM Informational] ===== Run test finished: 1 run (0:00:01.5930899) =====
```

```
int days = 2;
int expected = 700;
HospitalCharges x = new HospitalCharges();
int result = x.CalcStayCharges(days);
Assert.AreEqual(expected, result, "Somehow, the end result was not
```

```
[TestMethod]
```

```
references
```

```
public void HospitalCharges_CalcStayCharges_OutOfRangeException()
```

```
int days = 0;
HospitalCharges x = new HospitalCharges();
int result = x.CalcStayCharges(days);
if (result < 0)
{
    Assert.ThrowsException<System.ArgumentOutOfRangeException>(
}
```

```
        Assert.ThrowsException<System.ArgumentOutOfRangeException>
```

```
    }
```

```
}
```

```
[TestMethod]
```

```
✓ | 0 references
```

```
public void HospitalCharges_CalcMiscCharges_Return2825()
```

```
{
```

```
    double medCharges = 425;
```

```
    double surgCharges = 1250;
```

```
    double labCharges = 350;
```

```
    double rehabCharges = 800;
```

```
    double expected = 2825;
```

```
    HospitalCharges x = new HospitalCharges();
```

```
    double result = x.CalcMiscCharges(medCharges, surgCharges, labCharges);
```

```
    Assert.AreEqual(expected, result, "Somhow, the end result was not 2825");
```

```
}
```

```
double surgCharges = 1250;
double labCharges = 350;
double rehabCharges = 800;
double expected = 2825;
HospitalCharges x = new HospitalCharges();
double result = x.CalcMiscCharges(medCharges, surgCharges, labCharges);
Assert.AreEqual(expected, result, "Somhow, the end result was not e");
}
```

[TestMethod]

[ExpectedException(typeof(ArgumentOutOfRangeException), "medCharges cannot be less than 0")]

0 references

```
public void HospitalCharges_CalcMiscCharges_medChargesOutOfRangeException()
{
    HospitalCharges x = new HospitalCharges();
    double medCharges = -1;
    double surgCharges = 1250;
    double labCharges = 350;
    double rehabCharges = 800;
    double result = x.CalcMiscCharges(medCharges, surgCharges, labCharges);
}
```


[ExpectedException(typeof(ArgumentOutOfRangeException), "medCharges cannot be less than 0")]

✓ | 0 references

```
public void HospitalCharges_CalcMiscCharges_medChargesOutOfRangeExcepti
{
    HospitalCharges x = new HospitalCharges();
    double medCharges = -1;
    double surgCharges = 1250;
    double labCharges = 350;
    double rehabCharges = 800;
    double result = x.CalcMiscCharges(medCharges, surgCharges, labCharges);
}
```

[TestMethod]

[ExpectedException(typeof(ArgumentOutOfRangeException), "surgCharges cannot be less than 0")]

✓ | 0 references

```
public void HospitalCharges_CalcMiscCharges_surgChargesOutOfRangeExcepti
{
    HospitalCharges x = new HospitalCharges();
    double medCharges = 425;
    double surgCharges = -1250;
    double labCharges = 350;
    double rehabCharges = 800;
    double result = x.CalcMiscCharges(medCharges, surgCharges, labCharges);
}
```

```

    e rehabCharges = 800;
    e result = x.CalcMiscCharges(medCharges, surgCharges, labCharges, rehabCharges);
    Console.WriteLine(result);
}

[TestMethod]
public void HospitalCharges_CalcMiscCharges_labChargesOutOfRange()
{
    HospitalCharges x = new HospitalCharges();
    e medCharges = 425;
    e surgCharges = 1250;
    e labCharges = -350;
    e rehabCharges = 800;
    e result = x.CalcMiscCharges(medCharges, surgCharges, labCharges, rehabCharges);
    Console.WriteLine(result);
}

```

```
ption(typeof(ArgumentOutOfRangeException),  
HospitalCharges_CalcMiscCharges_rehabCharges  
  
charges x = new HospitalCharges();  
medCharges = 425;  
surgCharges = 1250;  
rehabCharges = 350;  
rehabCharges = -800;  
result = x.CalcMiscCharges(medCharges, surgCh
```