

Bank Charges Calculator

Ending Balance

Number of Checks Written

Results

1000

15

Service Fees for the Month:
\$11.50

Calculate Fees

```
13
14 [Test]
15 | 0 references
16 public void Test1()
17 {
18     double initialBalance = 1000.0;
19     int numberOfChecks = 25;
20     double expectedResult = 12.0;
21
22     var result = _mnc.CalculateServiceFees(initialBalance, numberOfChecks); // Fixed method name
23
24     Assert.AreEqual(expectedResult, result);
25     Assert.That(result, Is.TypeOf<double>());
26 }
27 [Test]
28 | 0 references
29 public void Test2()
30 {
31     double initialBalance = 1000.0;
32     int numberOfChecks = 15;
33     double expectedResult = 11.5; // $10 monthly charge, no additional check fee
34
35     var result = _mnc.CalculateServiceFees(initialBalance, numberOfChecks); // Fixed method name
36
37     Assert.AreEqual(expectedResult, result);
38     Assert.That(result, Is.TypeOf<double>());
39 }
40 [Test]
41 | 0 references
42 public void Test3()
43 {
44     double initialBalance = 1000.0;
45     int numberOfChecks = 30;
46
47     var result = _mnc.CalculateServiceFees(initialBalance, numberOfChecks); // Fixed method name
48
49     Assert.AreEqual(expectedResult, result);
50     Assert.That(result, Is.TypeOf<double>());
51 }
52 [Test]
53 | 0 references
54 public void Test4()
55 {
56     double initialBalance = 1000.0;
57     int numberOfChecks = 15;
58     double expectedResult = 11.5;
59
60     var result = _mnc.CalculateServiceFees(initialBalance, numberOfChecks); // Fixed method name
61
62     Assert.AreEqual(expectedResult, result);
63     Assert.That(result, Is.TypeOf<double>());
64 }
```

100% | 0 Warnings | 0 Errors

Test Explorer

Test run finished: 0 Tests (0 Passed, 0 Failed, 0 Skipped) run in < 1 ms

Test	Duration	Traits	Error Message
TestProject1 (6)	47 ms		
TestProject1 (6)	47 ms		
Tests (6)	47 ms		
Test1	7 ms		
Test2	7 ms		
Test3	11 ms		
Test4	7 ms		

Group Summary

TestProject1

Tests in group: 6

Total Duration: 47 ms

Outcomes

6 Passed

Fast Freight Shipping Calculator

Weight of Packag

2

Distance (in miles)

550

Results

Shipping Charges: \$2.20

Calculate Shipping Changes

```
13
14
15 [Test]
16 | 0 references
17 public void Test1()
18 {
19     calc calculator = new calc();
20
21     double charges1 = calculator.CalculateShippingCharges(1, 250);
22     double charges2 = calculator.CalculateShippingCharges(5, 750);
23     double charges3 = calculator.CalculateShippingCharges(8, 1500);
24     double charges4 = calculator.CalculateShippingCharges(15, 300);
25
26     Assert.AreEqual(1.10, charges1, "Charges for weight 1 and distance 250 should be 1.10");
27     Assert.AreEqual(4.4, charges2, "Charges for weight 5 and distance 750 should be 2.20");
28     Assert.AreEqual(3.70, charges3, "Charges for weight 8 and distance 1500 should be 3.70");
29     Assert.AreEqual(4.80, charges4, "Charges for weight 15 and distance 300 should be 4.80");
30 }
```

100 % 0 5

Test Explorer

Test run finished: 1 Tests (1 Passed, 0 Failed, 0 Skipped) run in 185 ms

Test	Duration	Traits	Error Message
TestProject1 (1)	9 ms		
TestProject1 (1)	9 ms		
Tests (1)	9 ms		
Test1	9 ms		

Starting Population

1000

Increase Rate(%)

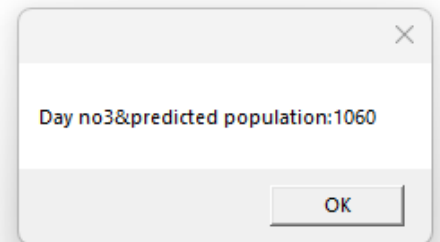
2

Number of Days

3



Calculate Population



```

7      [TestClass]
      0 references
8      public class UnitTest1
9      {
10         0 references
11         private calc _calc { get; set; } = new calc();
12
13         [TestMethod]
14         ✓ 0 references
15         public void TestMethod1()
16         {
17             calc calculator = new calc();
18             int initialPopulation = 1000;
19             double increaseRate = 2.0;
20             int noOfDays = 3;
21
22             int result = calculator.CalculatePopulation(initialPopulation, increaseRate, noOfDays);
23
24             // Assert
25             int expectedPopulation = 1060;
26             Assert.AreEqual(expectedPopulation, result);
27         }
28     }
29

```

100 % No issues found

Test Explorer

1 1 0

Test run finished: 1 Tests (1 Passed, 0 Failed, 0 Skipped) run in 4.2 sec

Test	Duration	Traits	Error Message
<ul style="list-style-type: none"> UnitTestProject1 (1) <ul style="list-style-type: none"> UnitTestProject1 (1) 	3.9 sec		