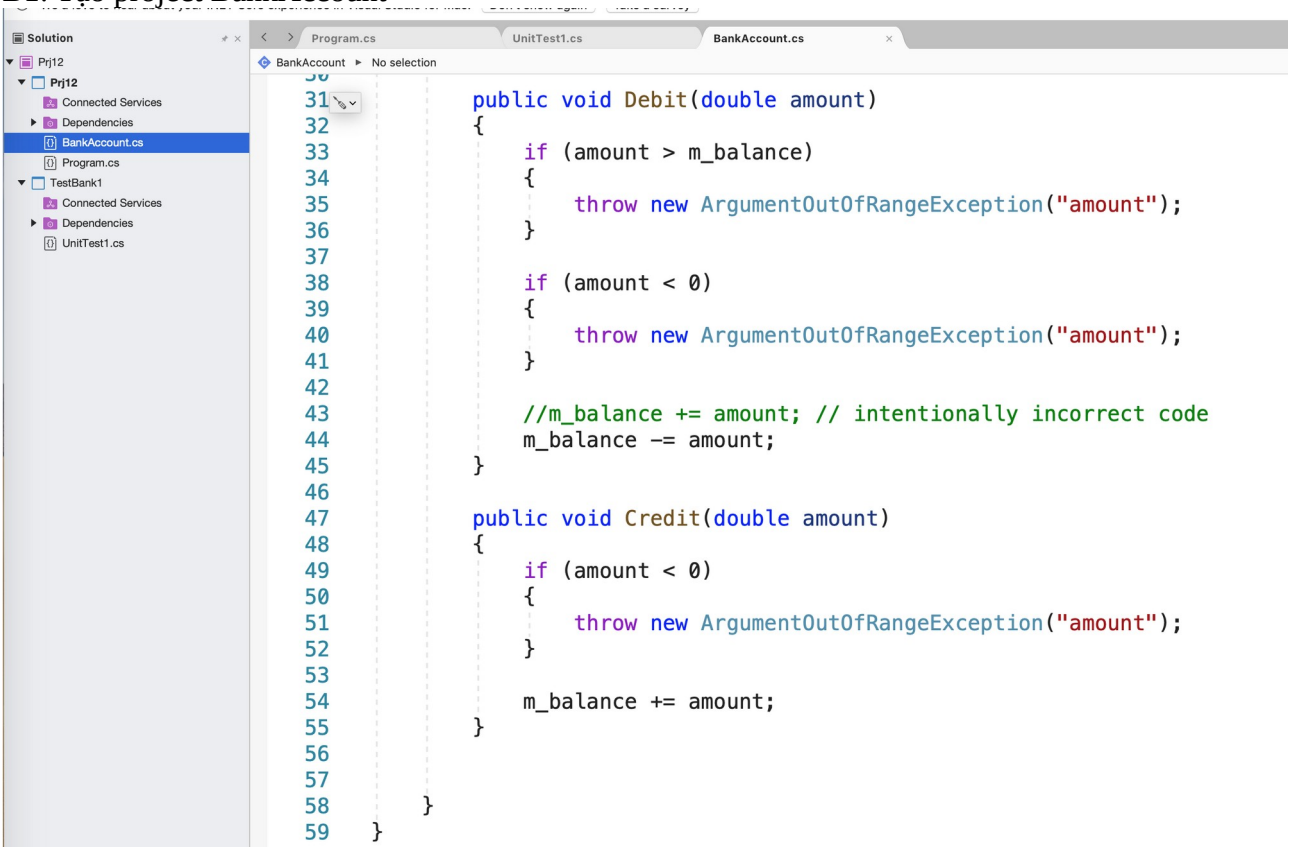
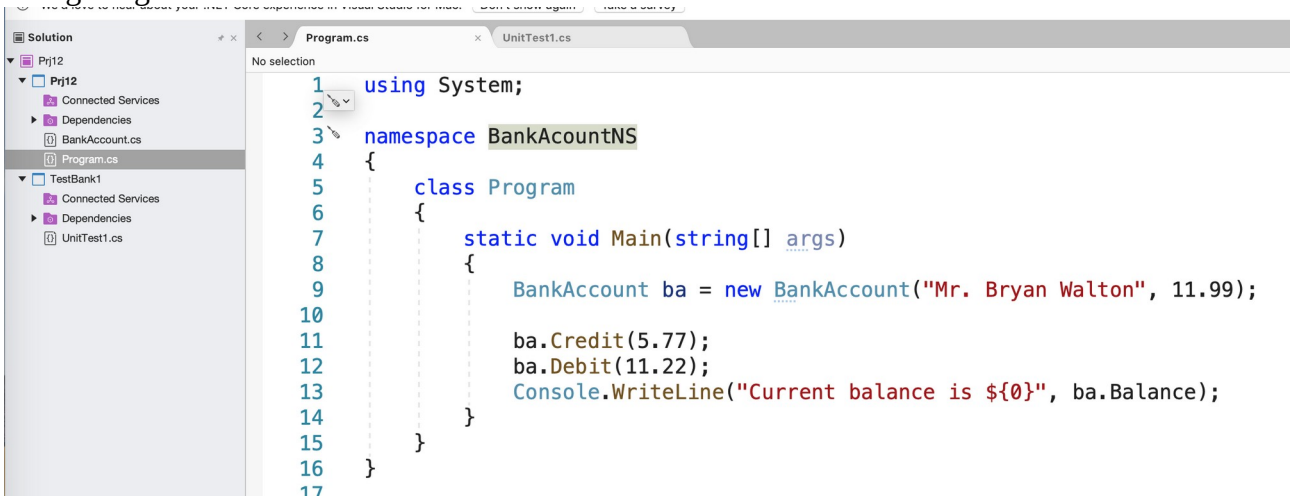
Baì 2: - Chạy và sửa lỗi

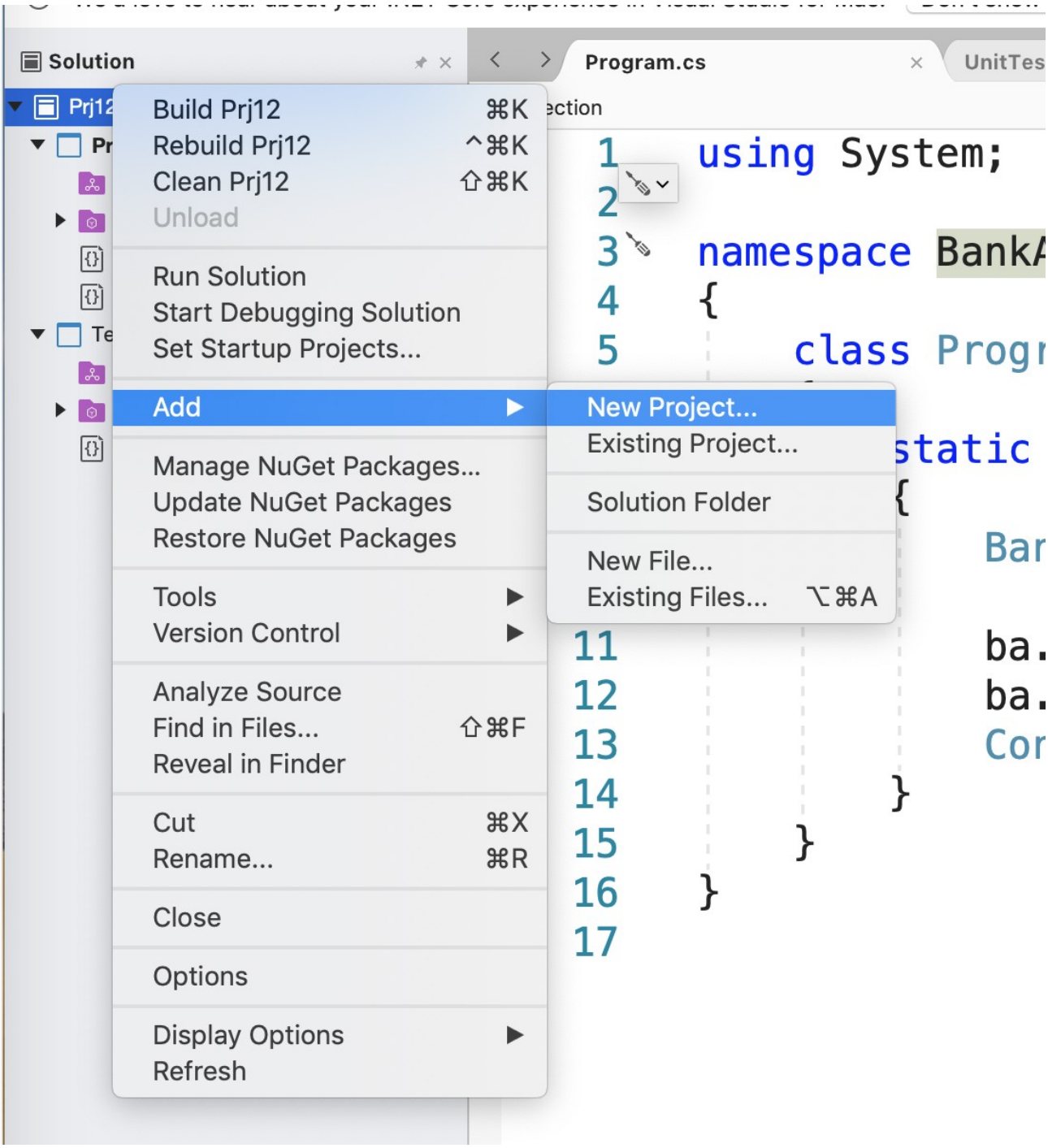
B1: Tạo project BankAccount

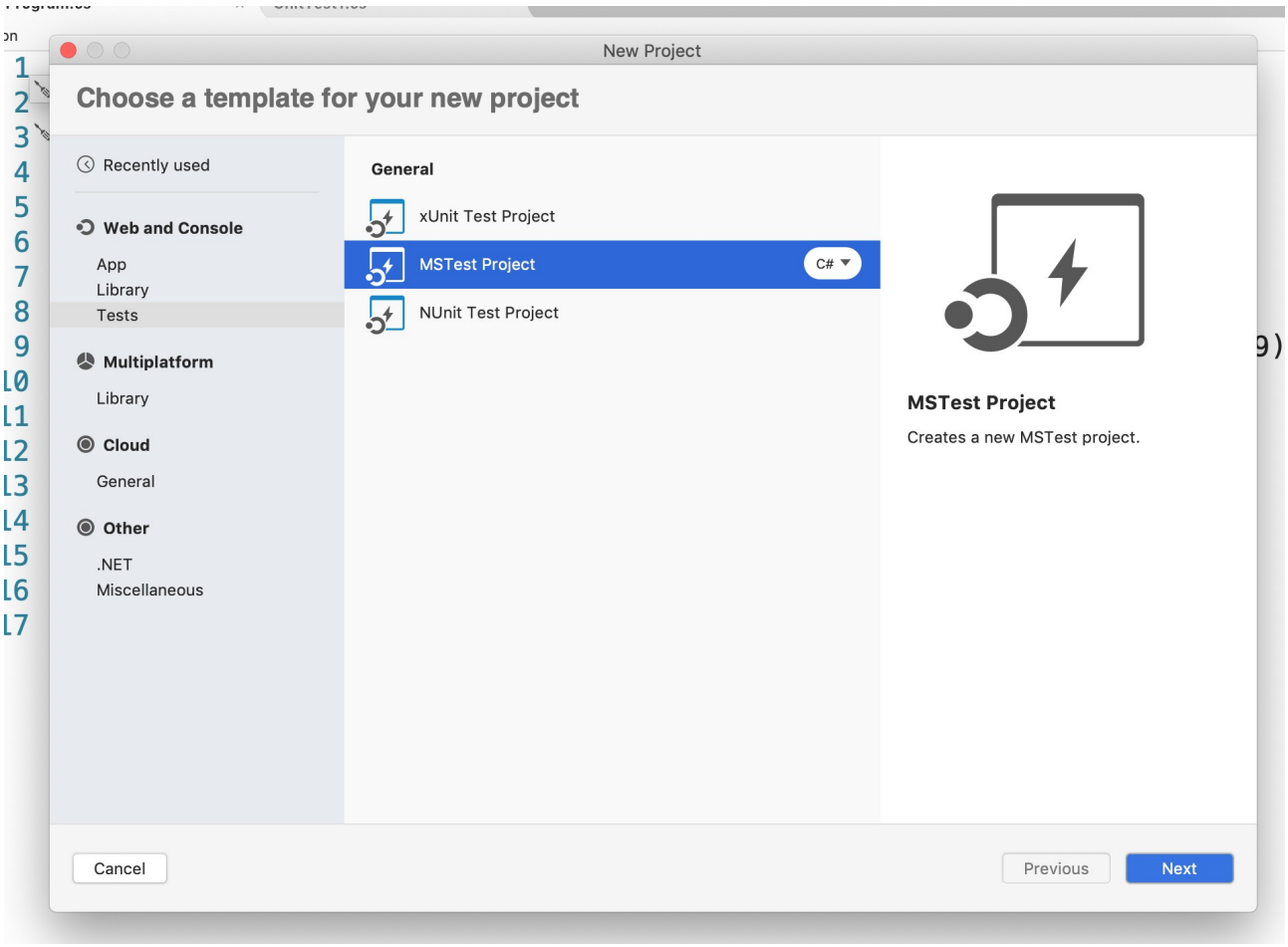


Trong Program.cs

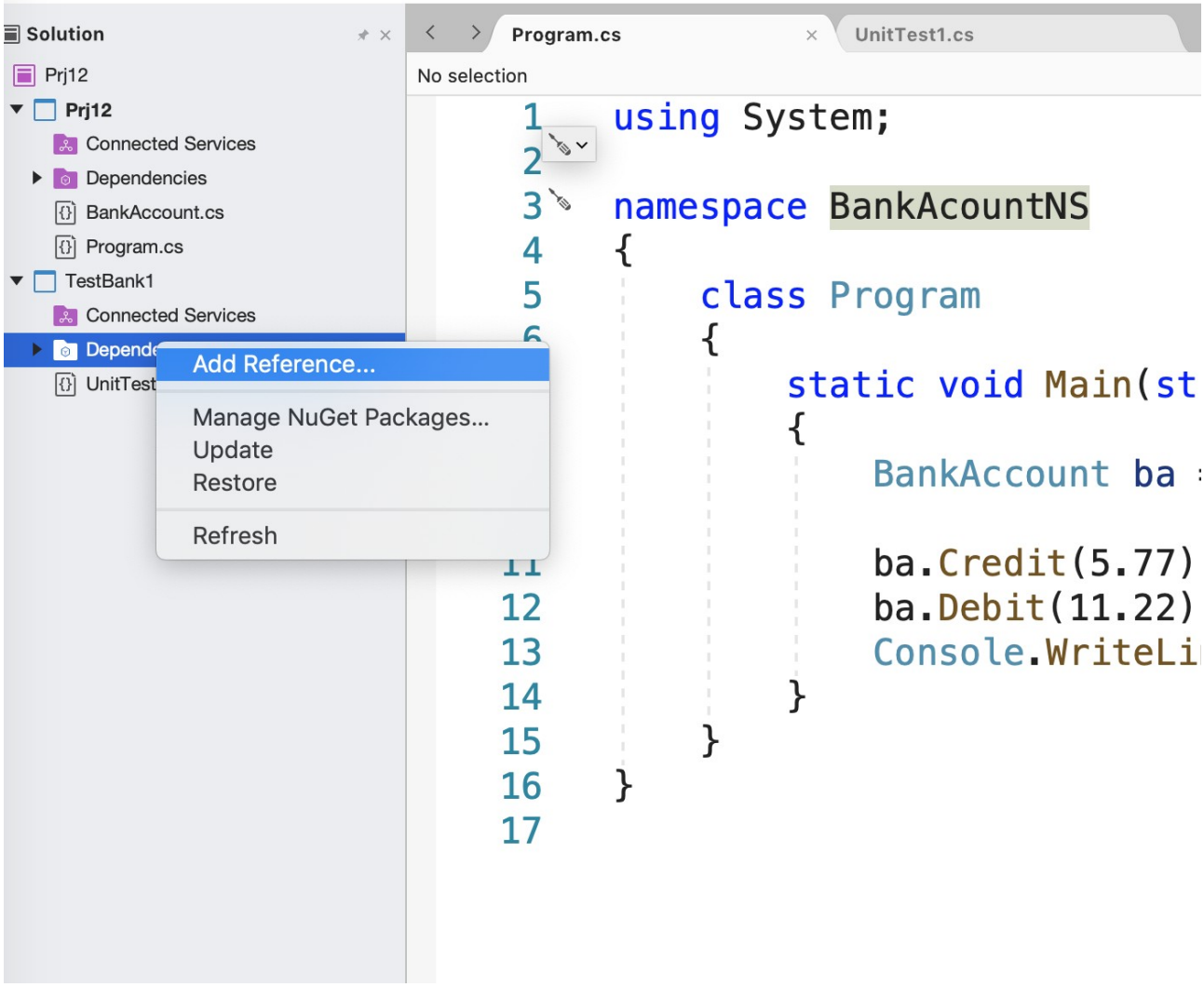


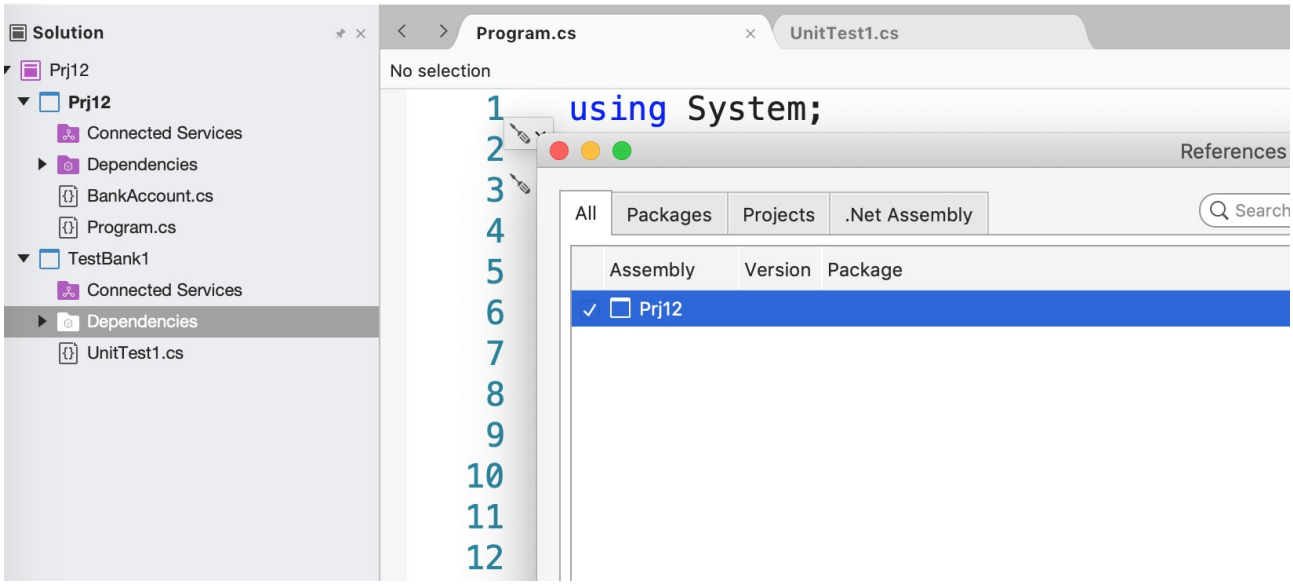
B2- Add vào solution 1 project Test


Solution
Program.cs
UnitTes
Build Prj12 ⌘K
Rebuild Prj12 ^⌘K
Clean Prj12 ⇧⌘K
Unload
Run Solution
Start Debugging Solution
Set Startup Projects...
Add
Manage NuGet Packages...
Update NuGet Packages
Restore NuGet Packages
Tools
Version Control
Analyze Source
Find in Files... ⇧⌘F
Reveal in Finder
Cut ⌘X
Rename... ⌘R
Close
Options
Display Options
Refresh
New Project...
Existing Project...
Solution Folder
New File...
Existing Files... ⌥⌘A
using System;
namespace
class
static
{
}
}
}

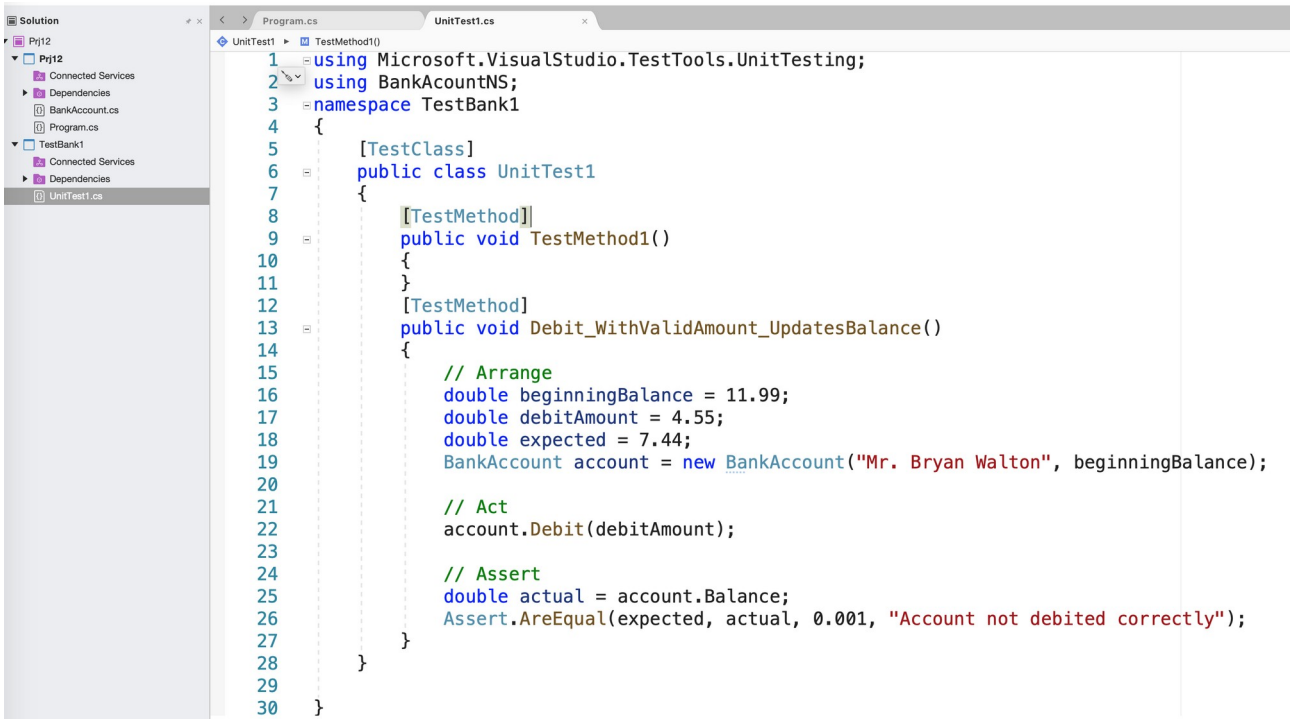


B3 – Add Project code vào Project Test



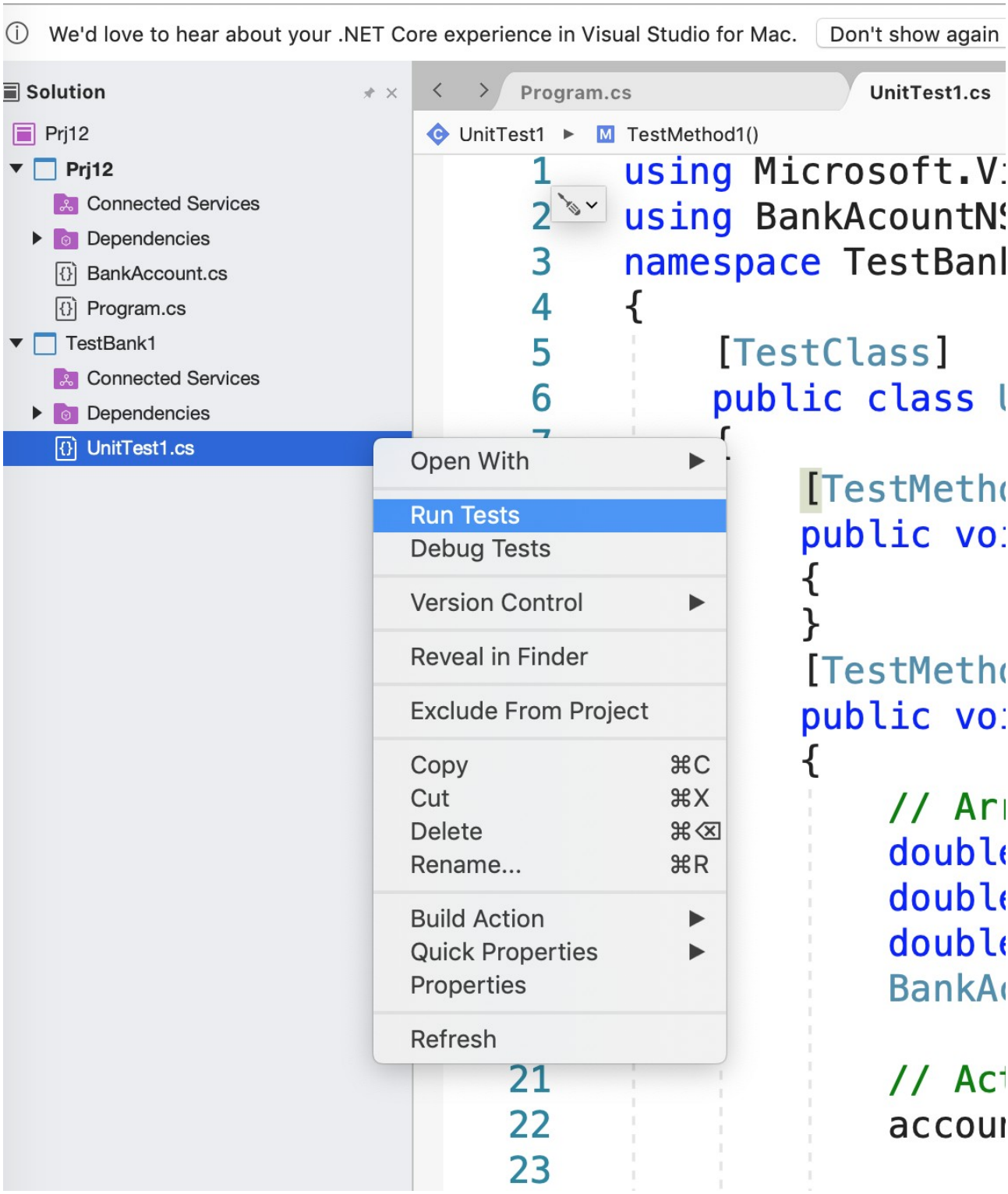


B4- Code

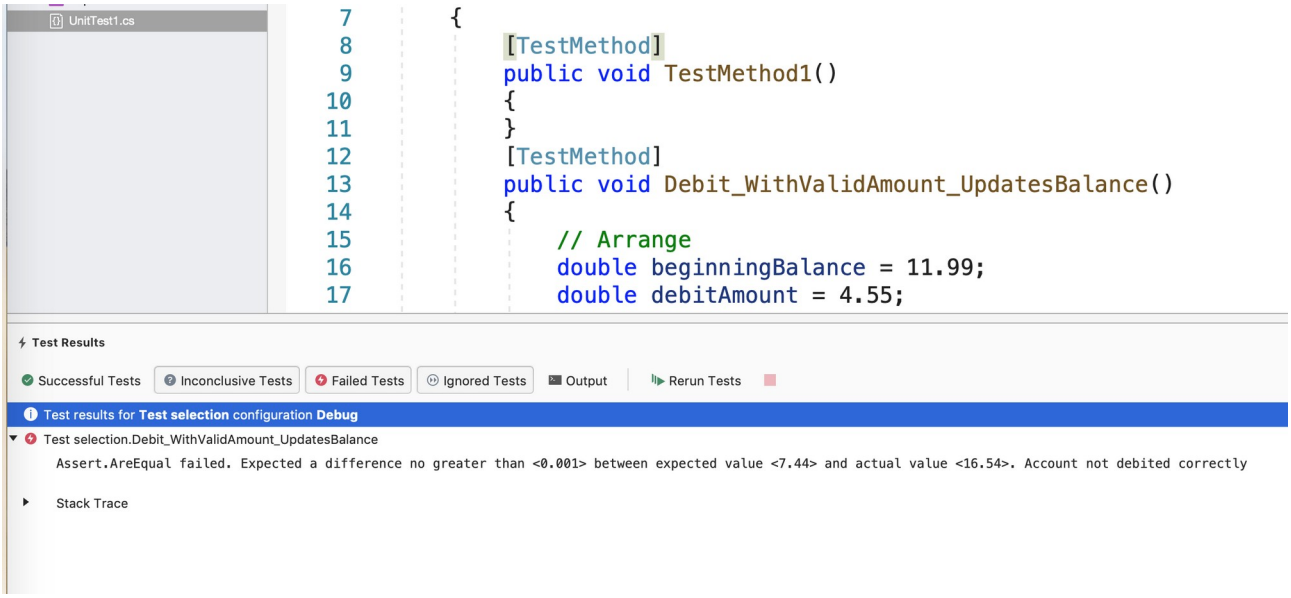


```
using Microsoft.VisualStudio.TestTools.UnitTesting;
using BankAcountNS;
namespace TestBank1
{
    [TestClass]
    public class UnitTest1
    {
        [TestMethod]
        public void TestMethod1()
        {
        }
        [TestMethod]
        public void Debit_WithValidAmount_UpdatesBalance()
        {
            // Arrange
            double beginningBalance = 11.99;
            double debitAmount = 4.55;
            double expected = 7.44;
            BankAccount account = new BankAccount("Mr. Bryan Walton", beginningBalance);

            // Act
            account.Debit(debitAmount);

            // Assert
            double actual = account.Balance;
            Assert.AreEqual(expected, actual, 0.001, "Account not debited correctly");
        }
    }

}
```

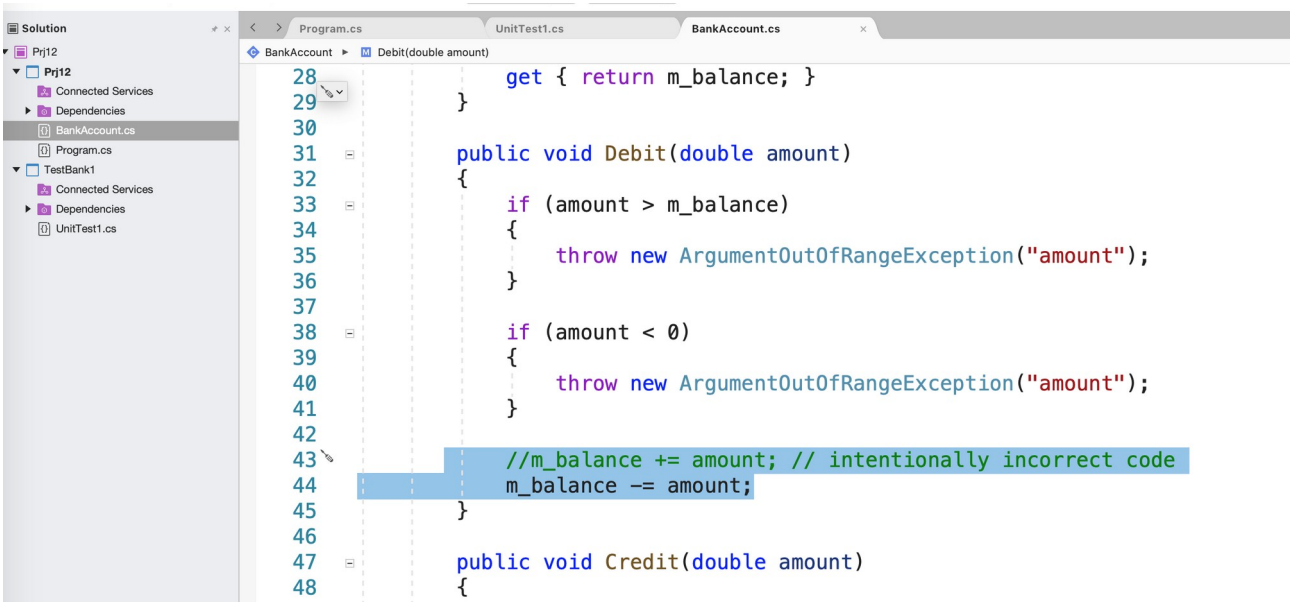
B5- Chạy



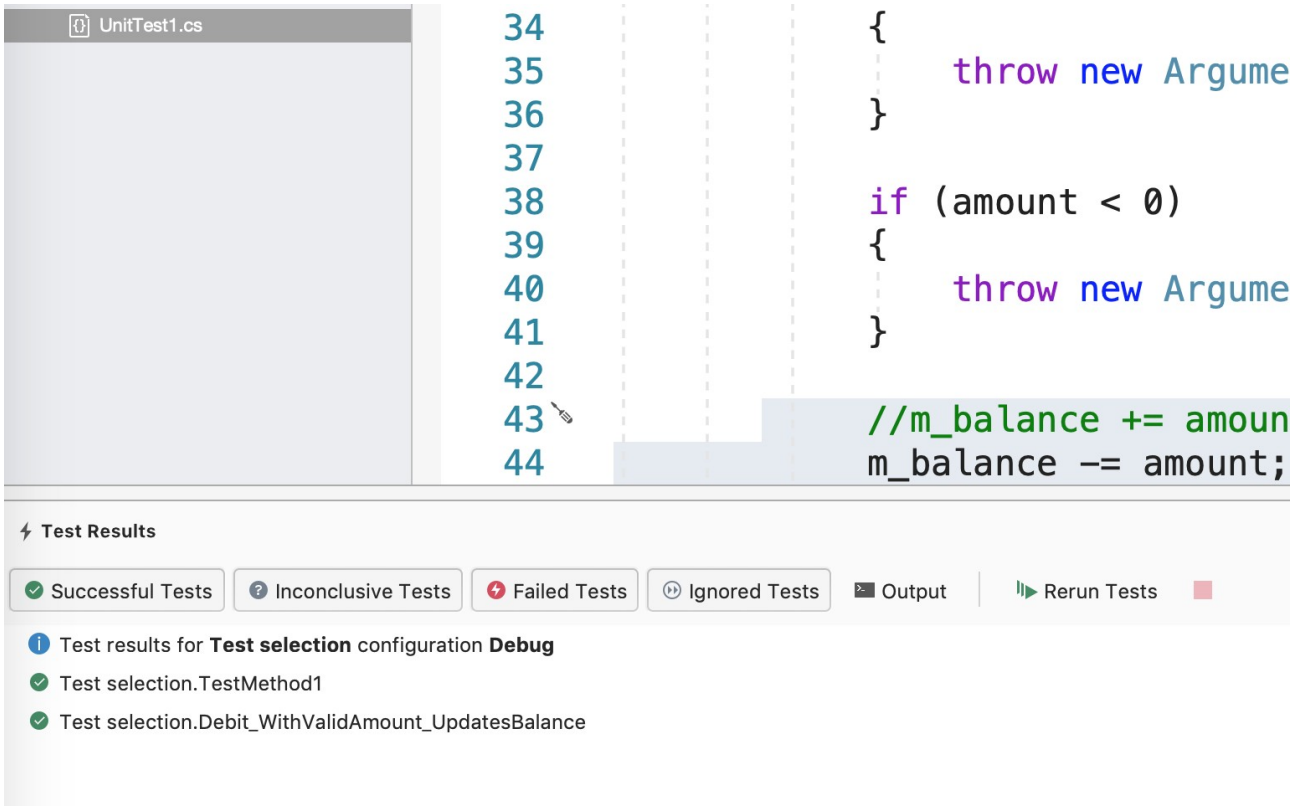
Và chương trình thông báo lỗi như sau:



B6- Sửa, build lại và chạy lại



Kết quả:


UnitTest1.cs
34 {
35 throw new Argume
36 }
37
38 if (amount < 0)
39 {
40 throw new Argume
41 }
42
43 //m_balance += amoun
44 m_balance -= amount;
Test Results
Successful Tests
Inconclusive Tests
Failed Tests
Ignored Tests
Output
Rerun Tests
Test results for Test selection configuration Debug
Test selection.TestMethod1
Test selection.Debit_WithValidAmount_UpdatesBalance