



# ADVANCED SOFTWARE

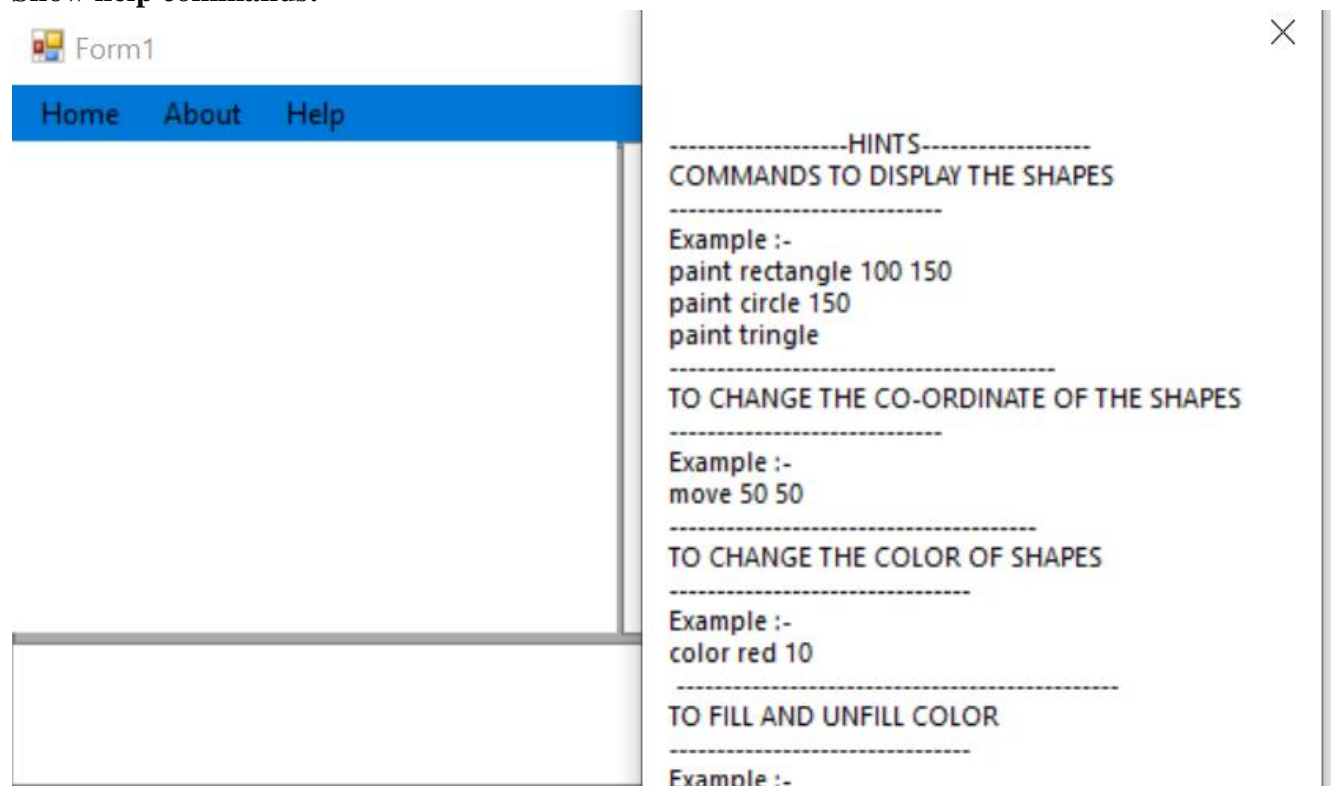


Component 1  
STUDENT ID 77275260

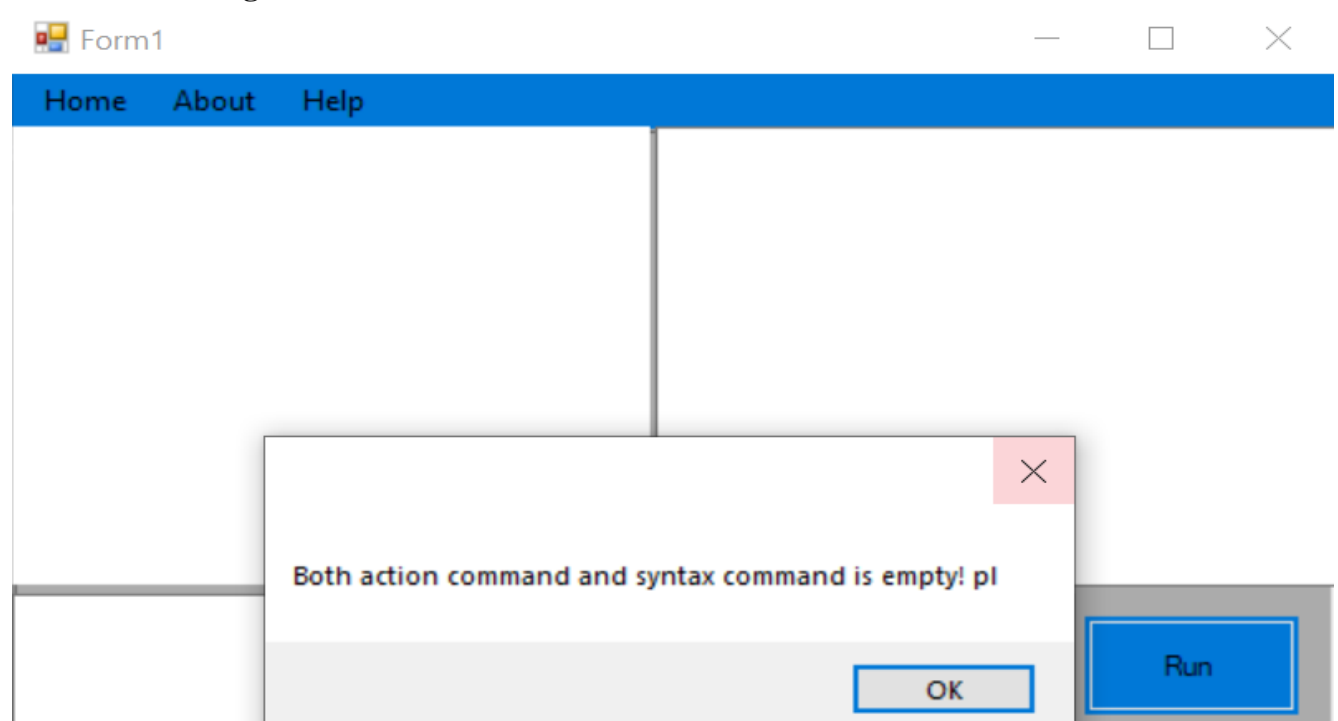
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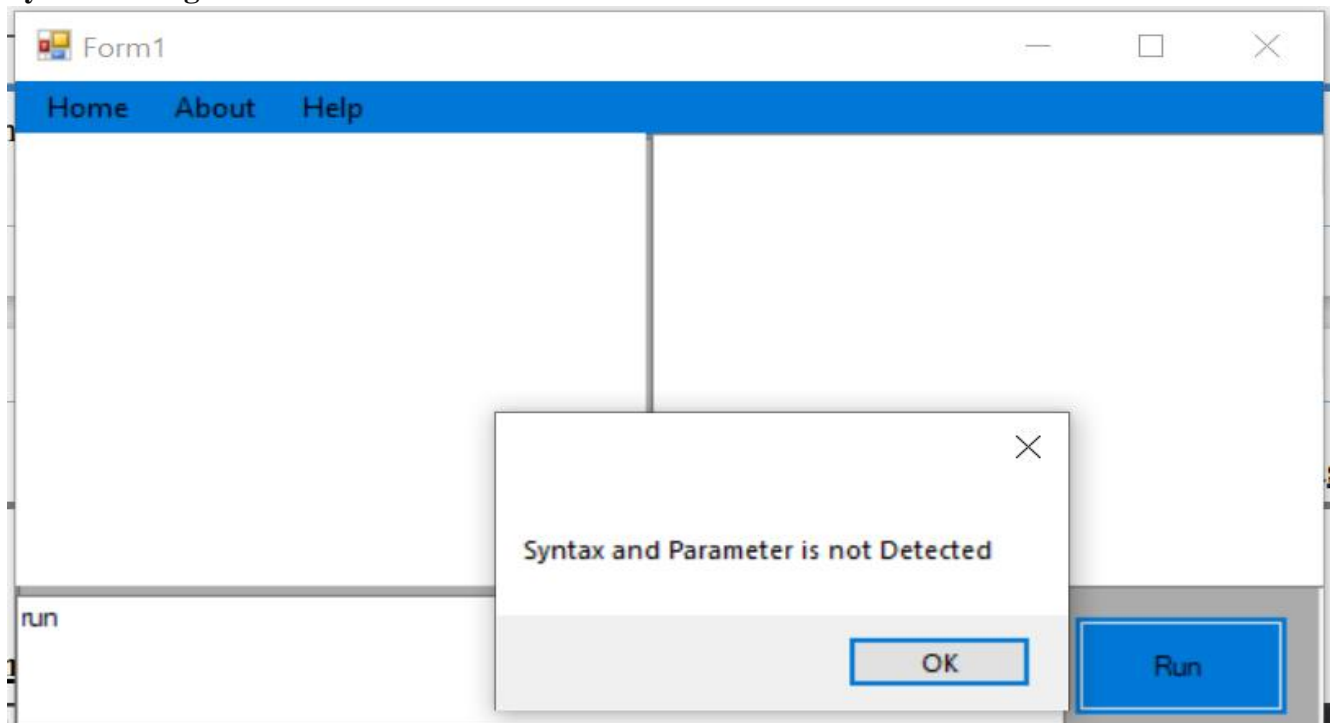
### Show help commands:



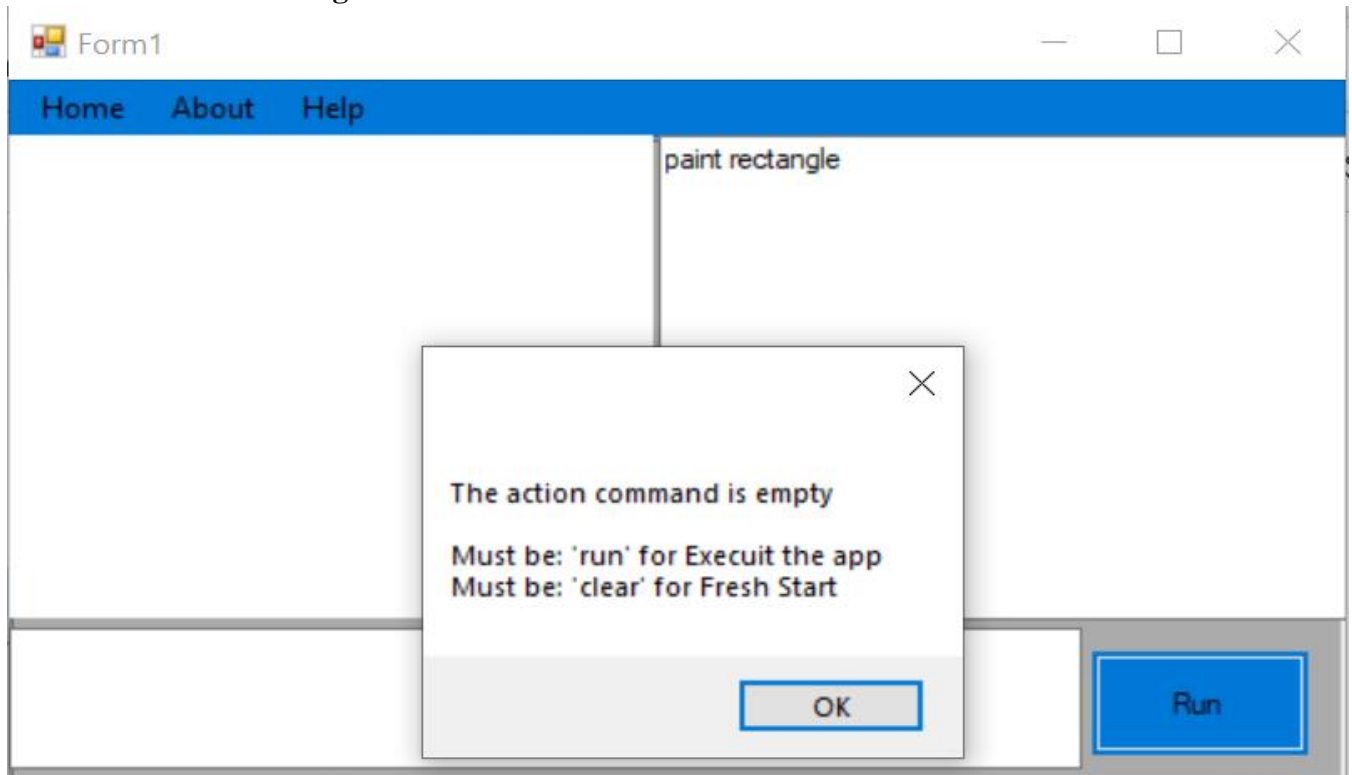
### Action box testing:

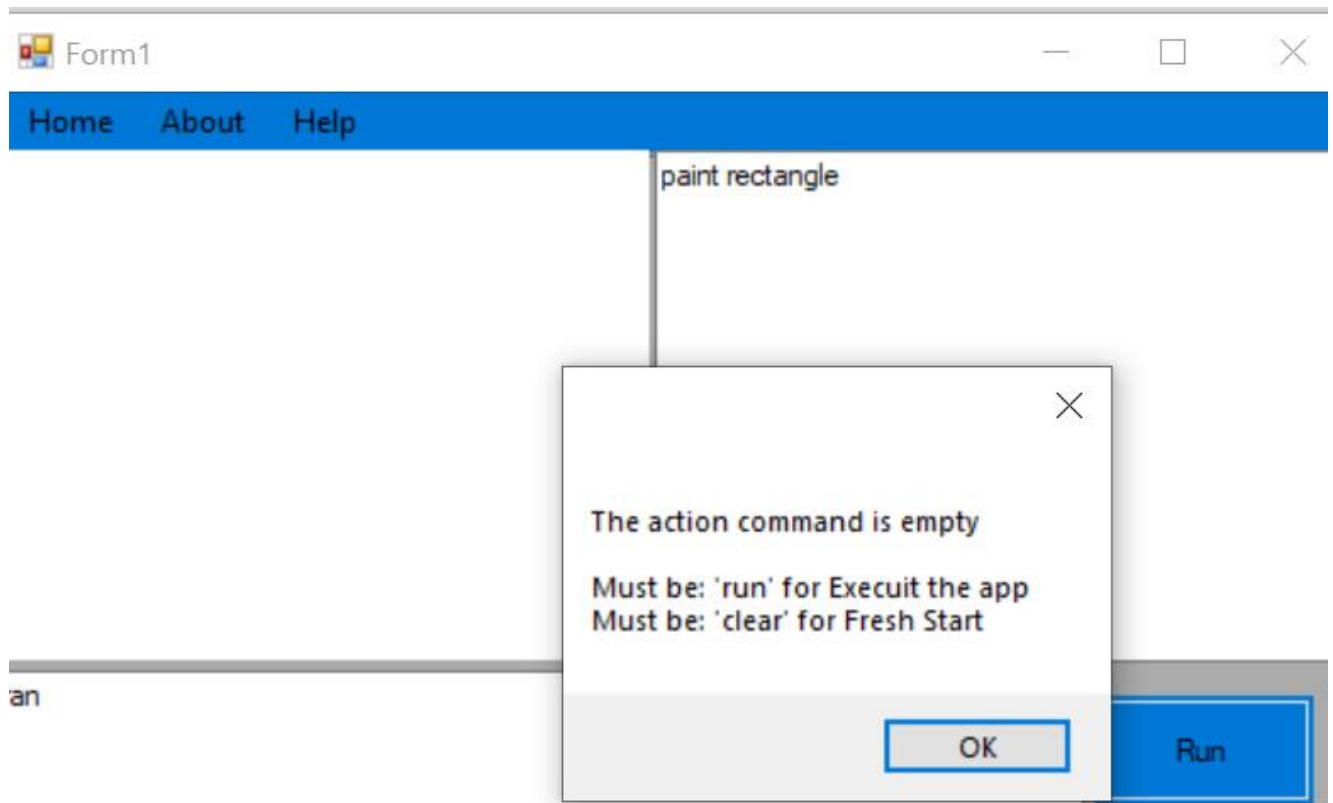


### Syntax testing:

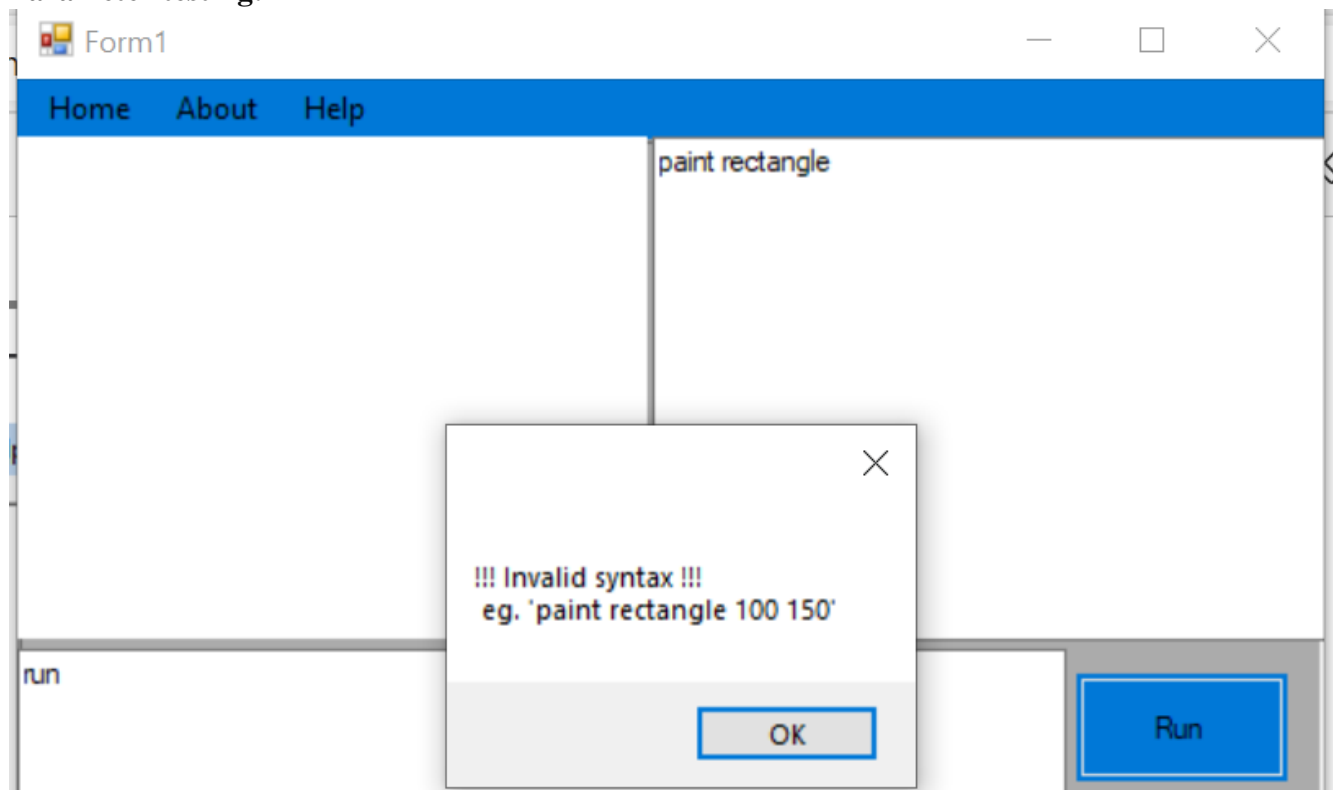


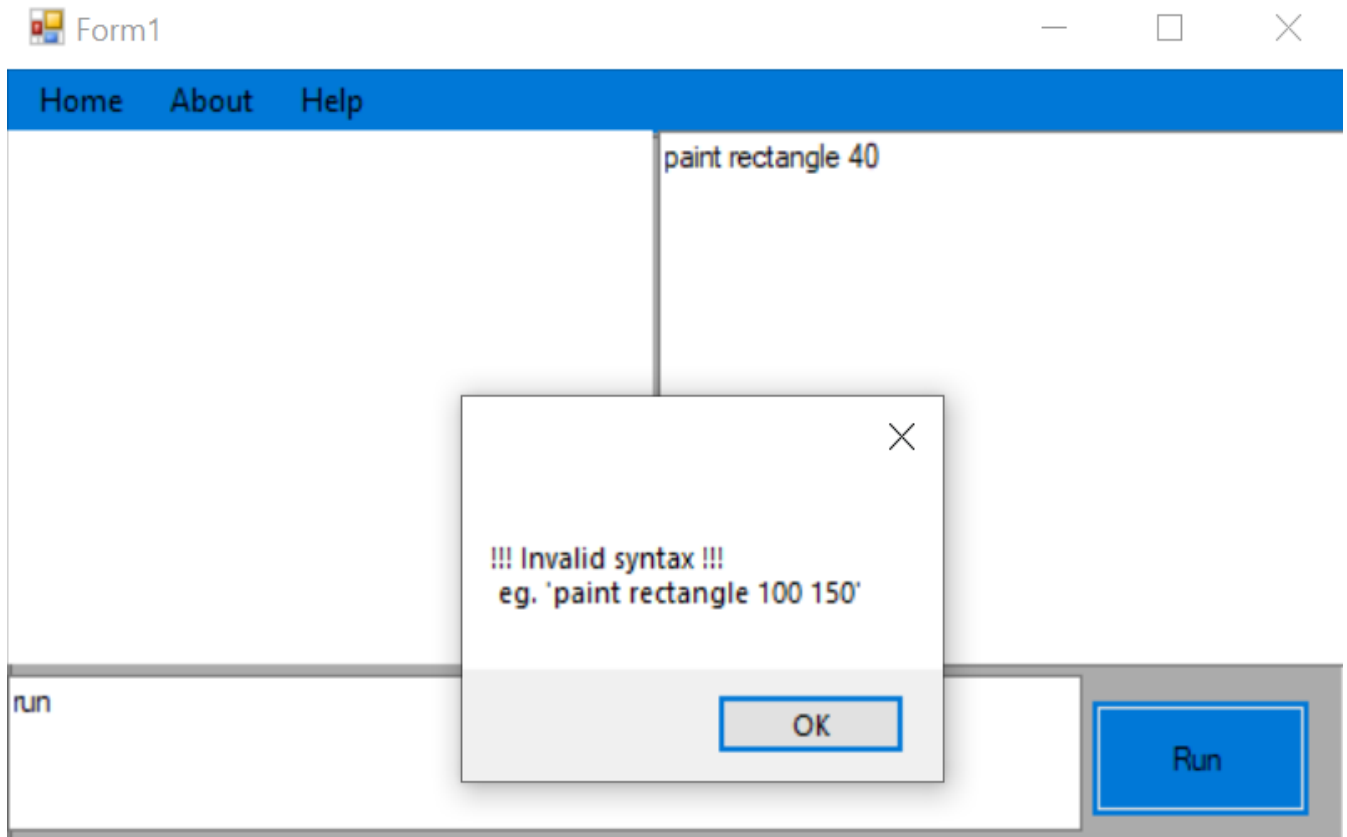
### Action Command testing:



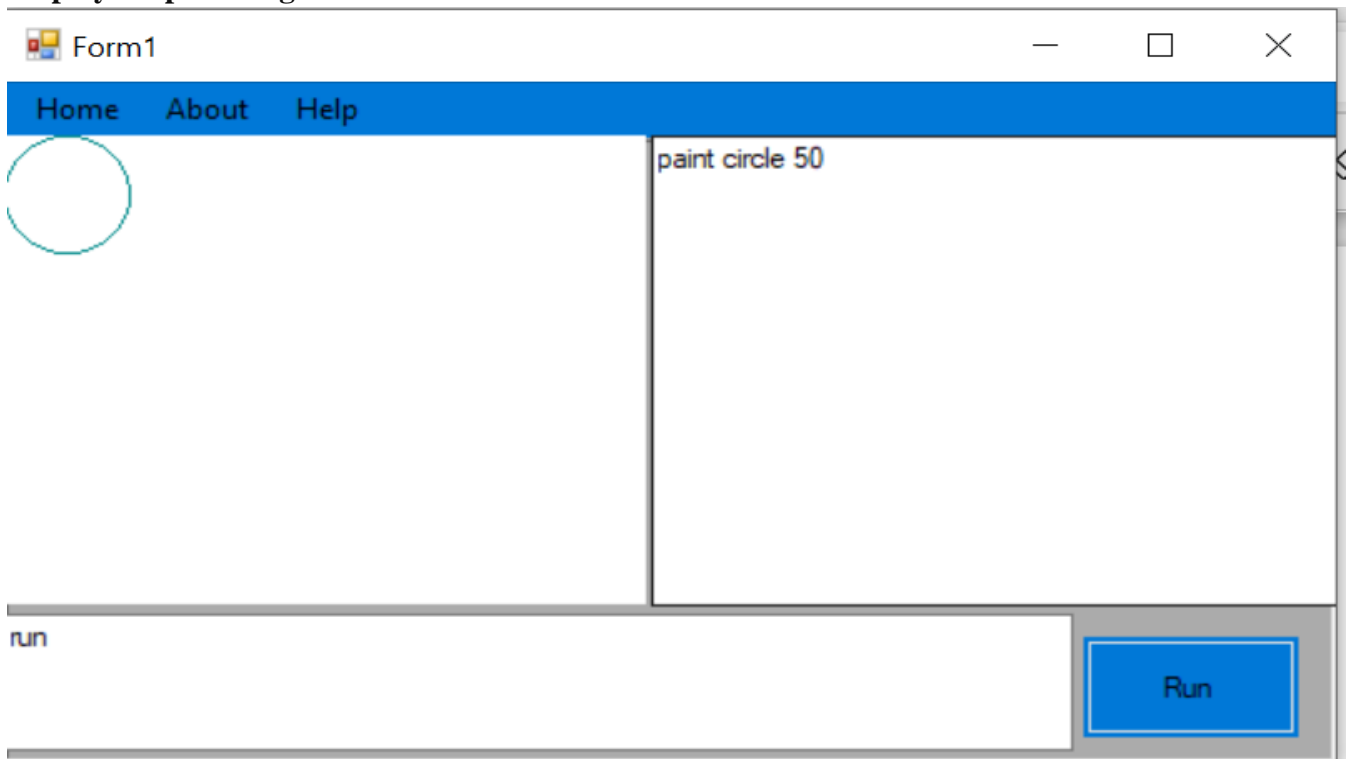


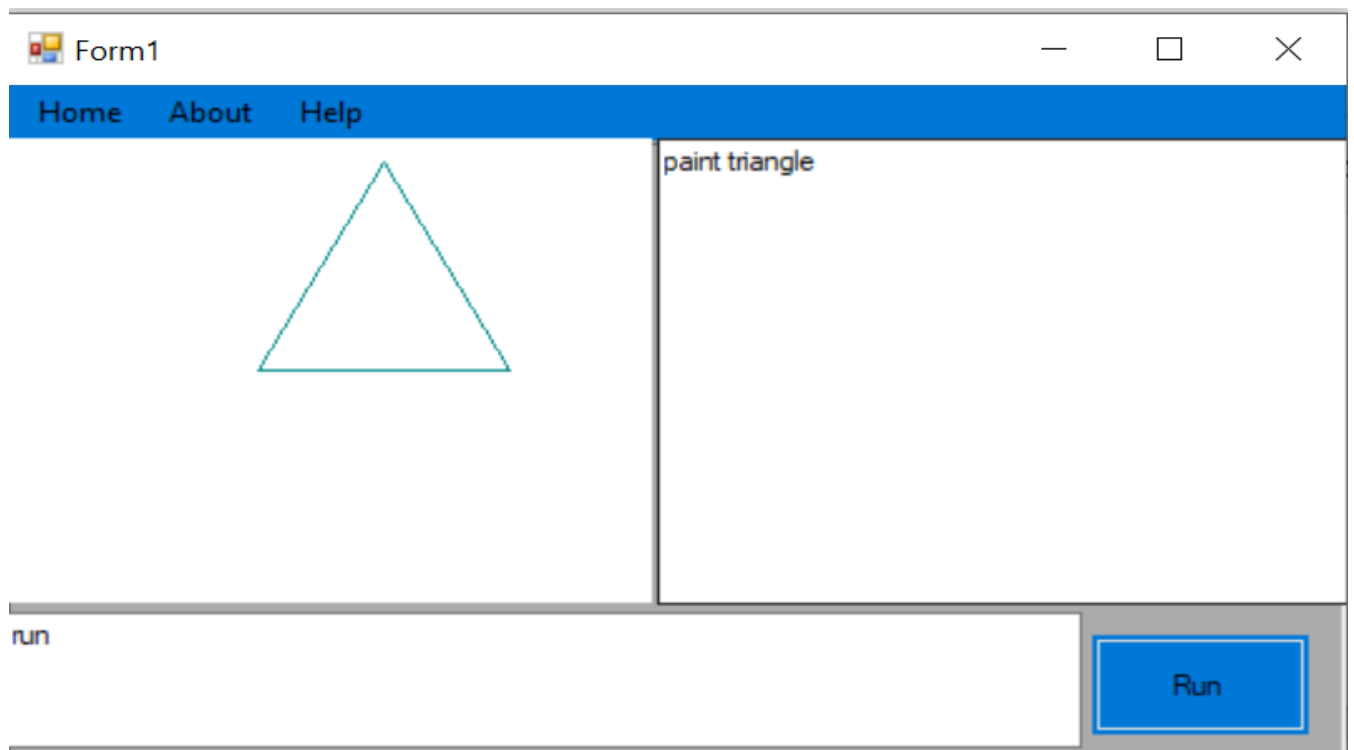
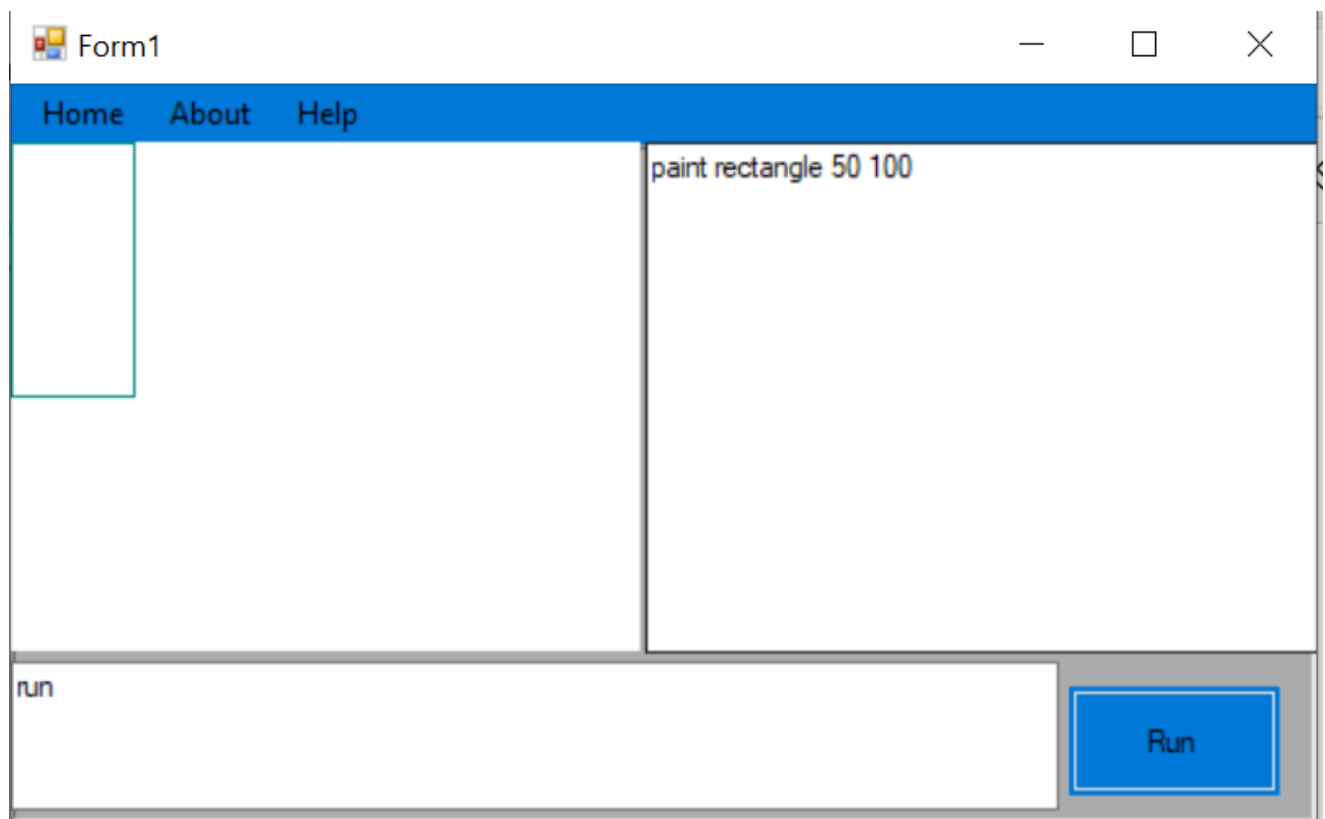
### Parameter testing:



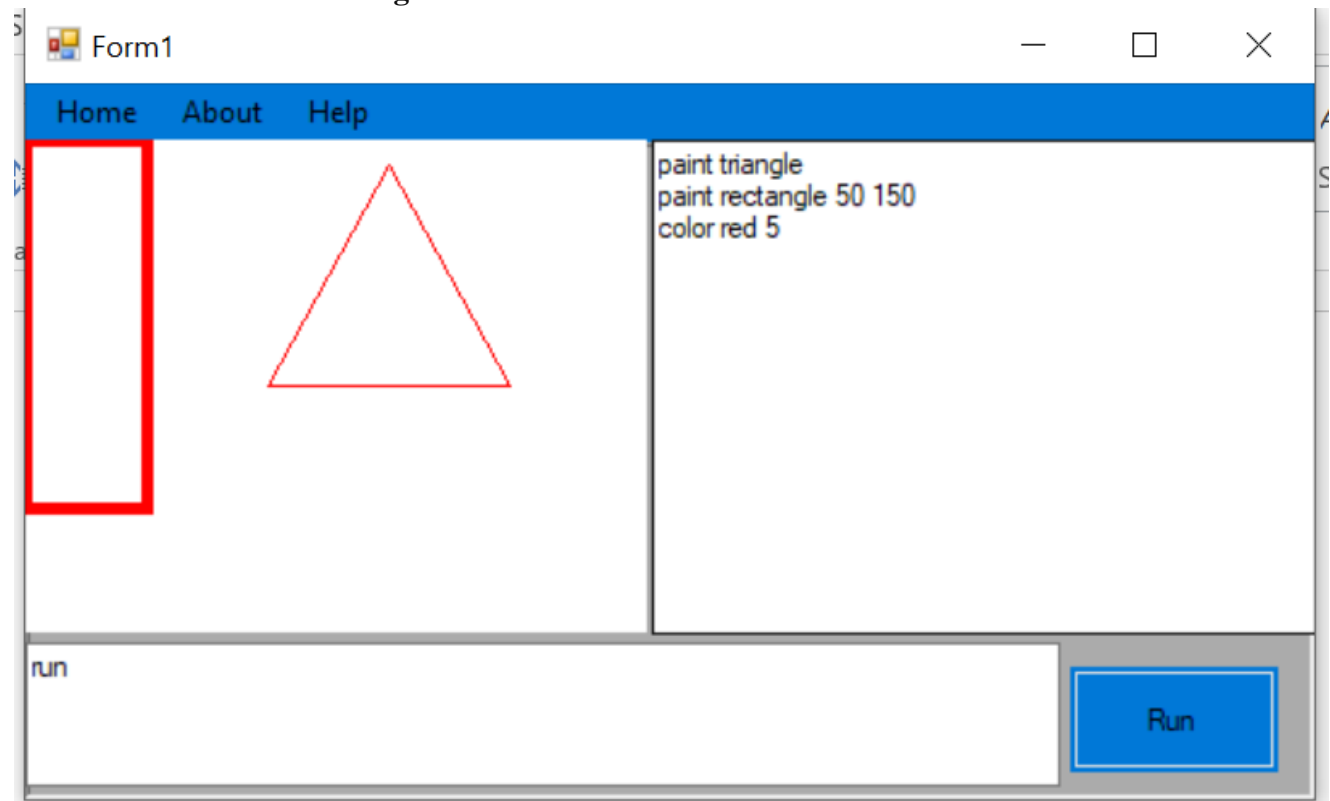


**Display shape testing:**

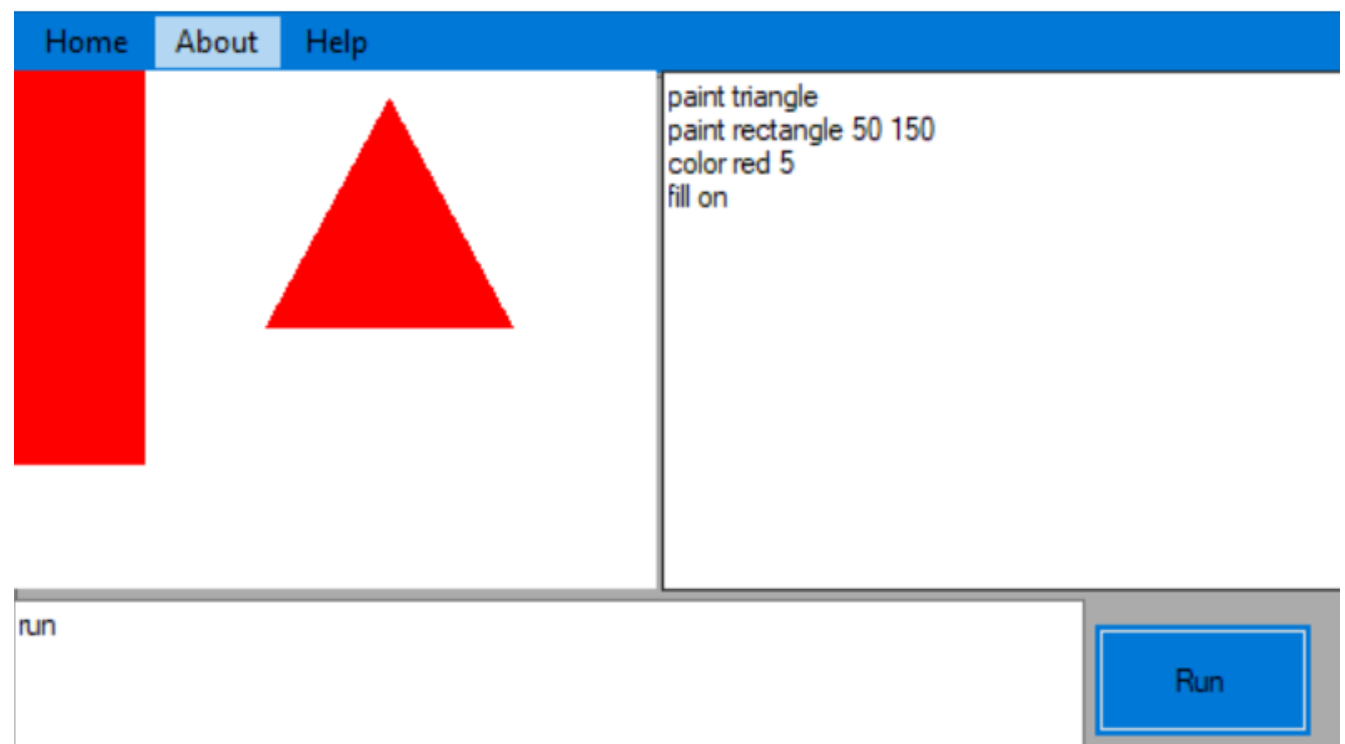




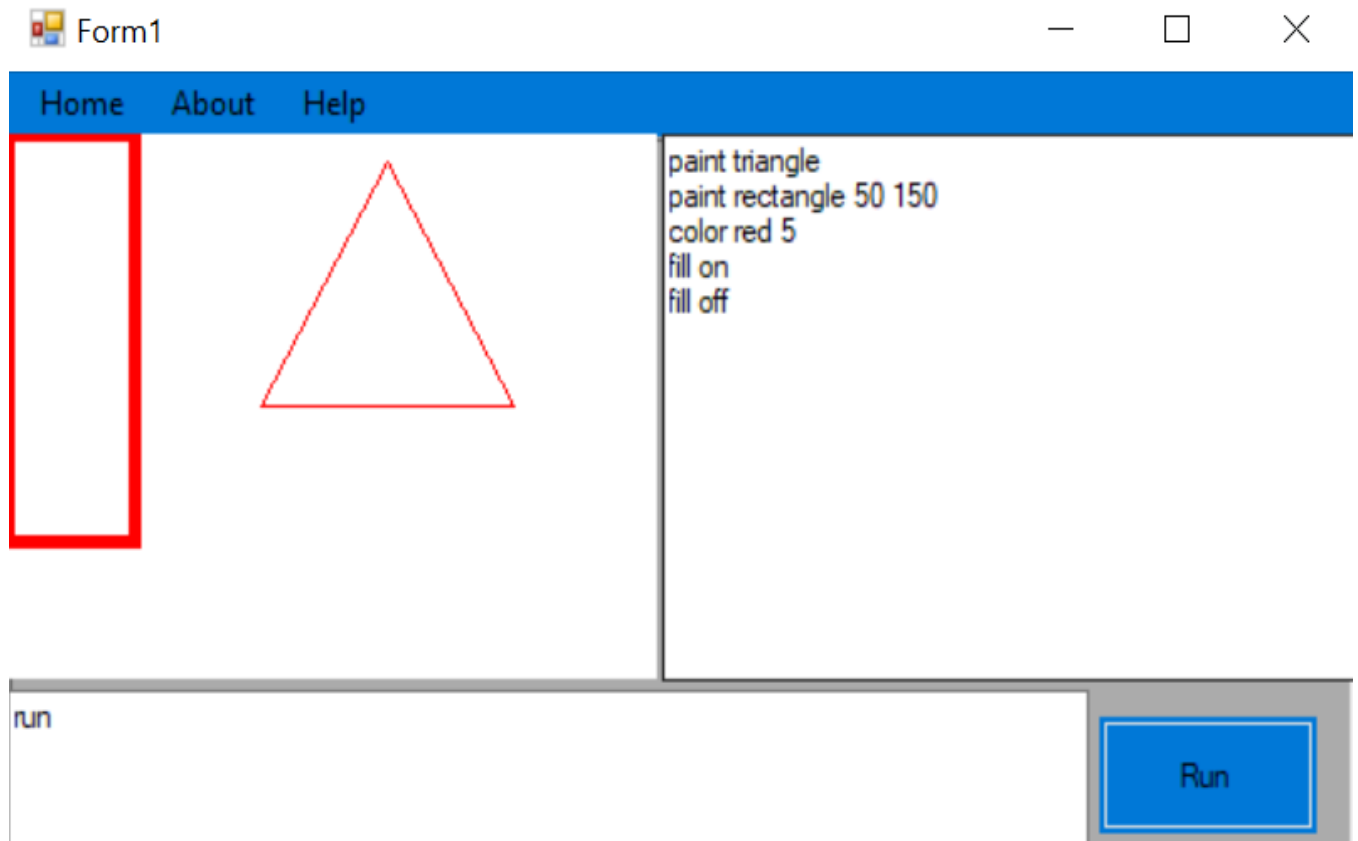
### Draw color command testing:



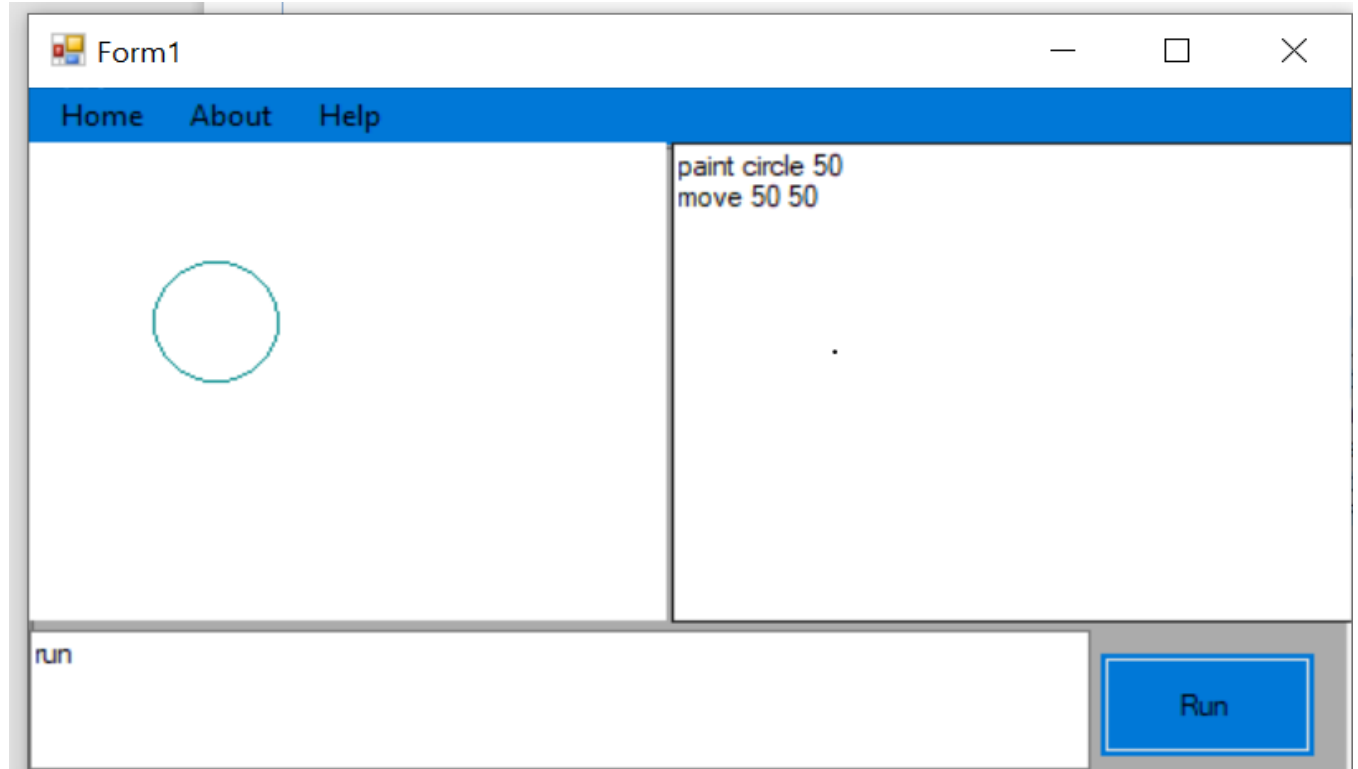
### Fill on and Fill off color testing:



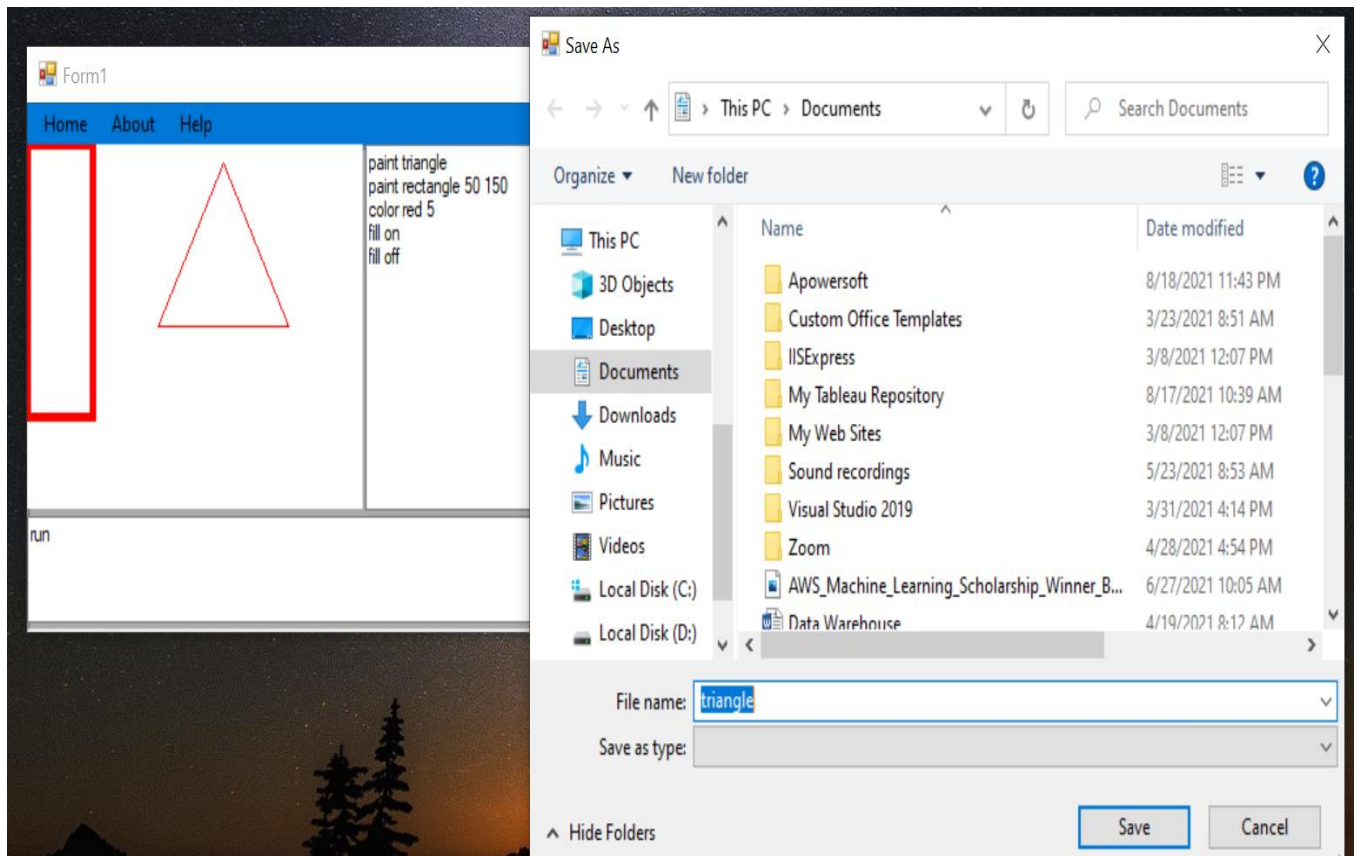
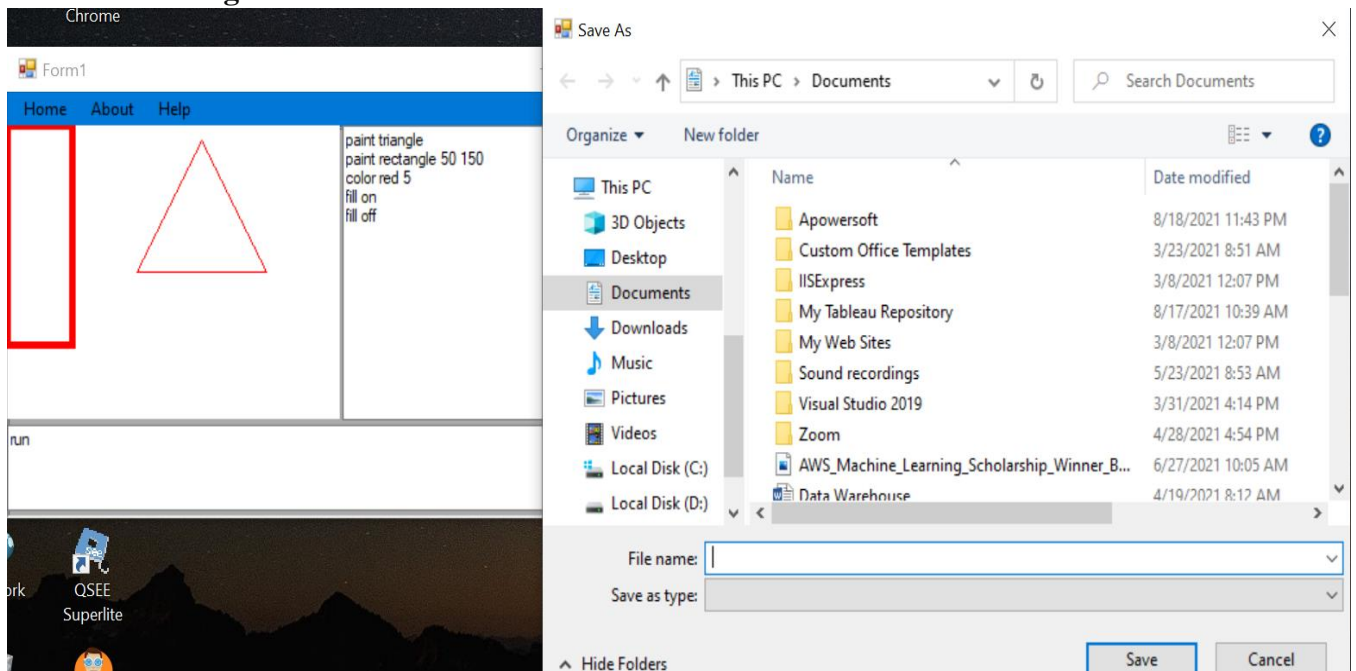




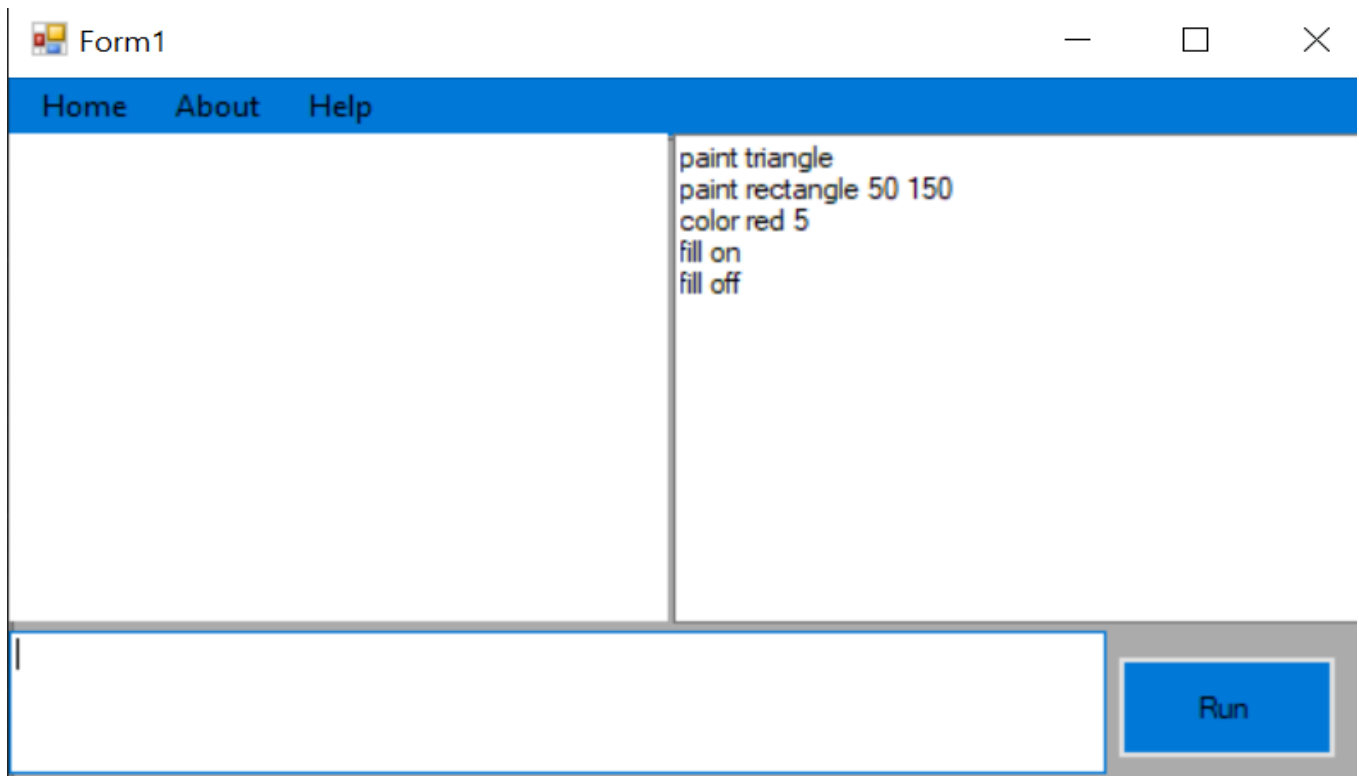
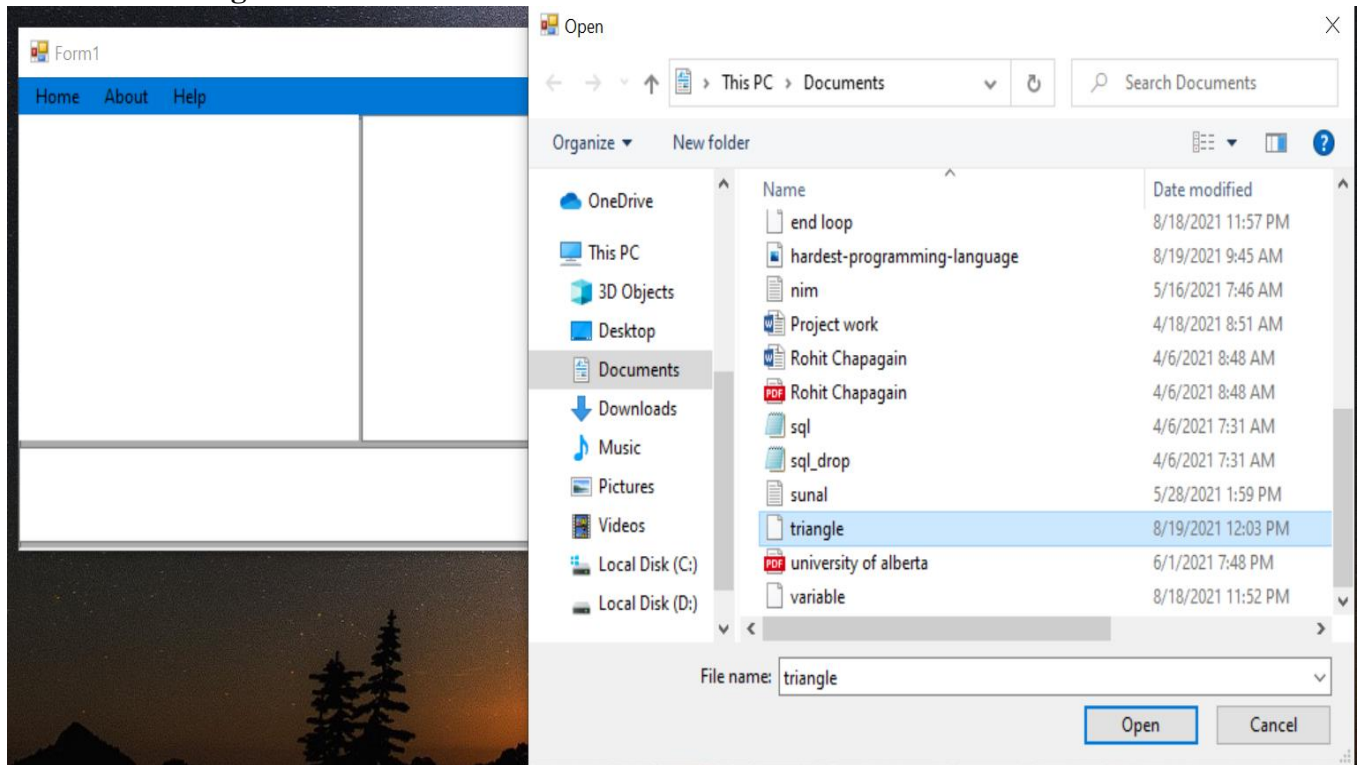
**Move to testing:**



## Save code testing:



## Load code testing:



## Unit testing:

```
1 using System;
2 using System.Collections.Generic;
3 using System.Text;
4
5 namespace unit_testing
6 {
7     9 references
8     public class BankAccount
9     {
10         string _customerName;
11         double _balance;
12
13         4 references
14         public BankAccount(string customerName, double balance)
15         {
16             _customerName = customerName;
17             _balance = balance;
18
19         4 references
20         public double balance { get { return _balance; } }
21
22         3 references
23         public void debit(double amount)
24     }
```

0 % 0 2 Ln: 21 Ch: 10 SPC CRLF

Search Solution Explorer (Ctrl+;)

- Solution 'unit testing' (2 of 2 projects)
- unit testing
  - Dependencies
  - BankAccount.cs
  - Program.cs
- unit testingTests
  - Dependencies
  - BankAccountTests.cs

Solution Explorer Git Changes

Properties

```
using Microsoft.VisualStudio.TestTools.UnitTesting;
using unit_testing;
using System;
using System.Collections.Generic;
using System.Text;
using Xunit.Sdk;

namespace unit_testing.Tests
{
    [TestClass()]
    0 references
    public class BankAccountTests
    {
        [TestMethod()]
        0 references
        public void TestExceptionCase()
        {
            BankAccount bk = new BankAccount("Rohit", 100);
            try
            {
                bk.debit(200);
            }
            catch (ArgumentOutOfRangeException e)
            {
            }
        }
    }
```

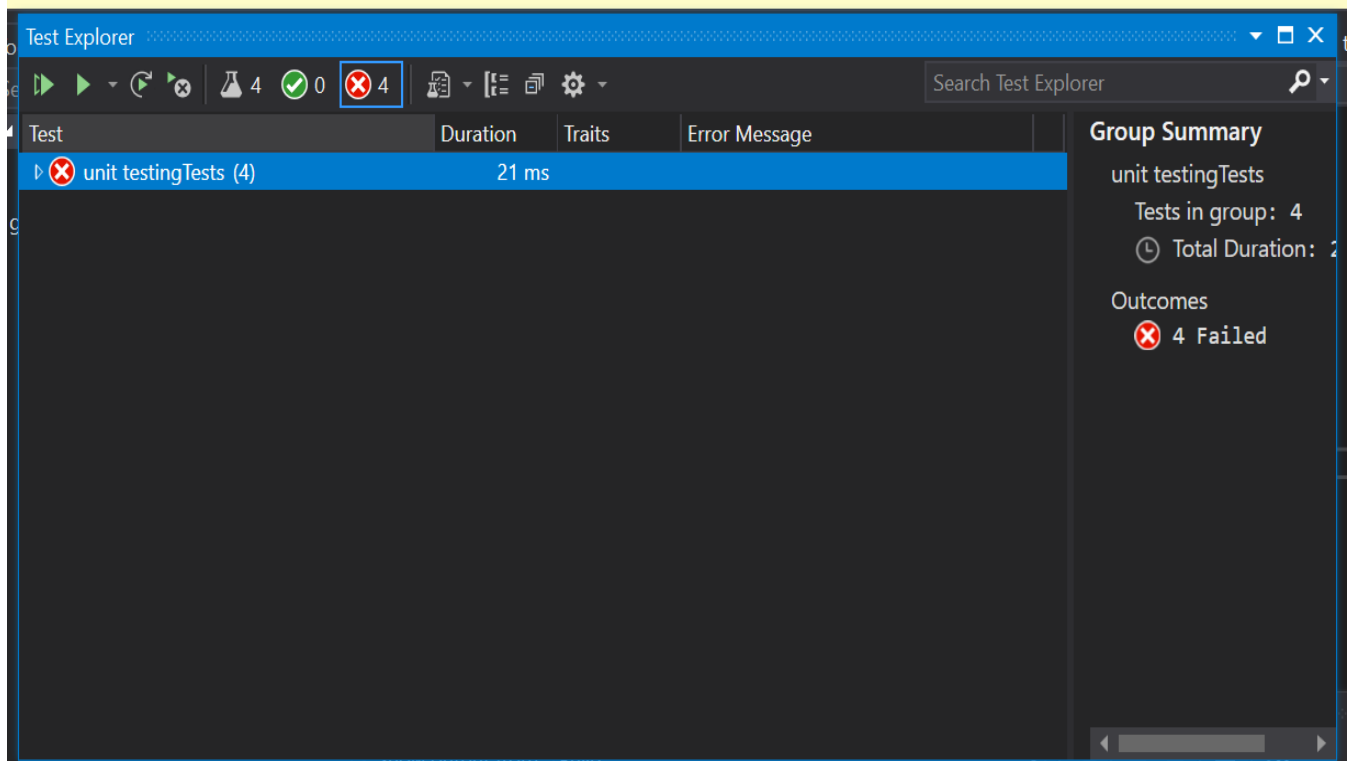
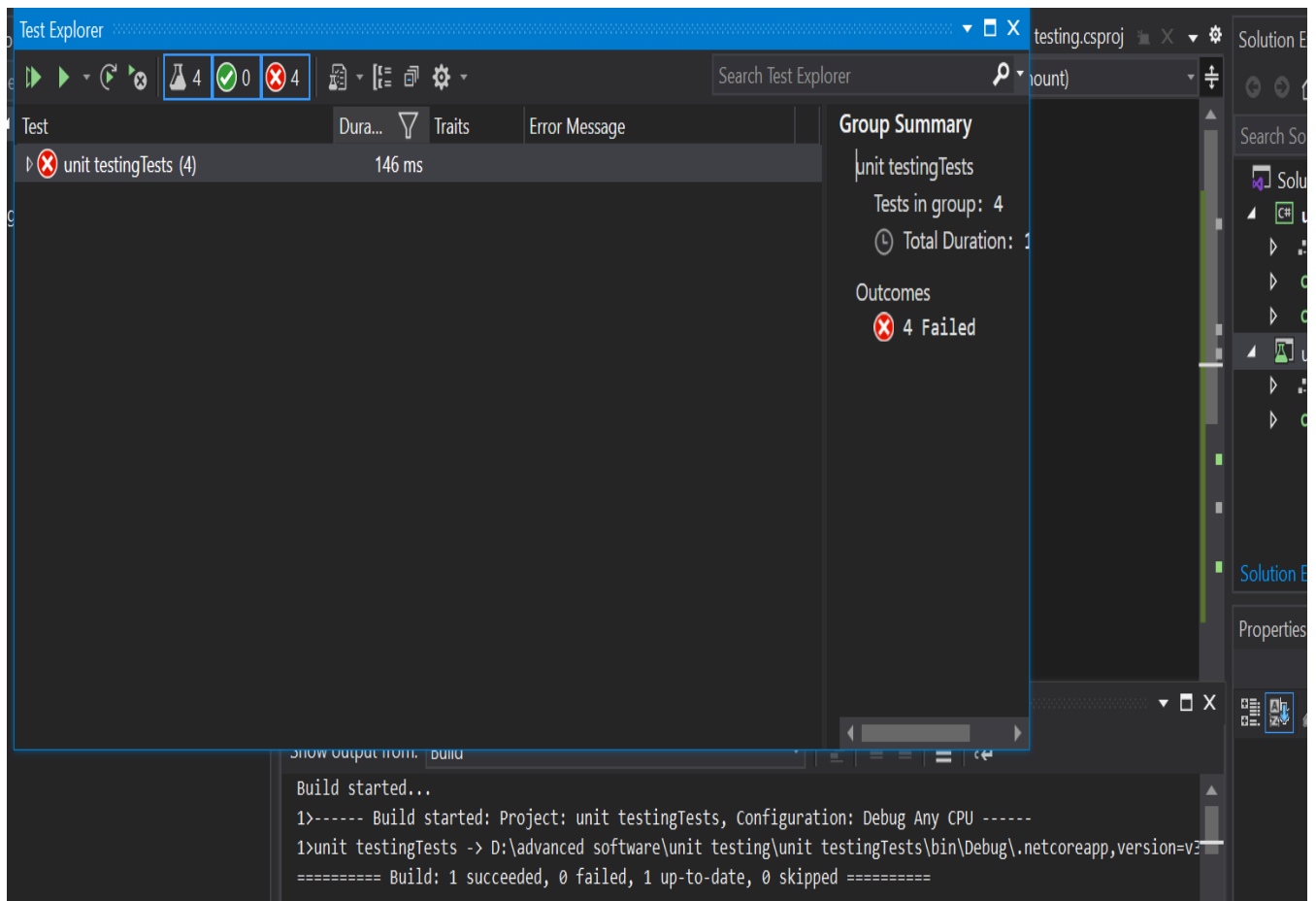
✓ No issues found Ln: 42 Ch: 10 SPC CRLF

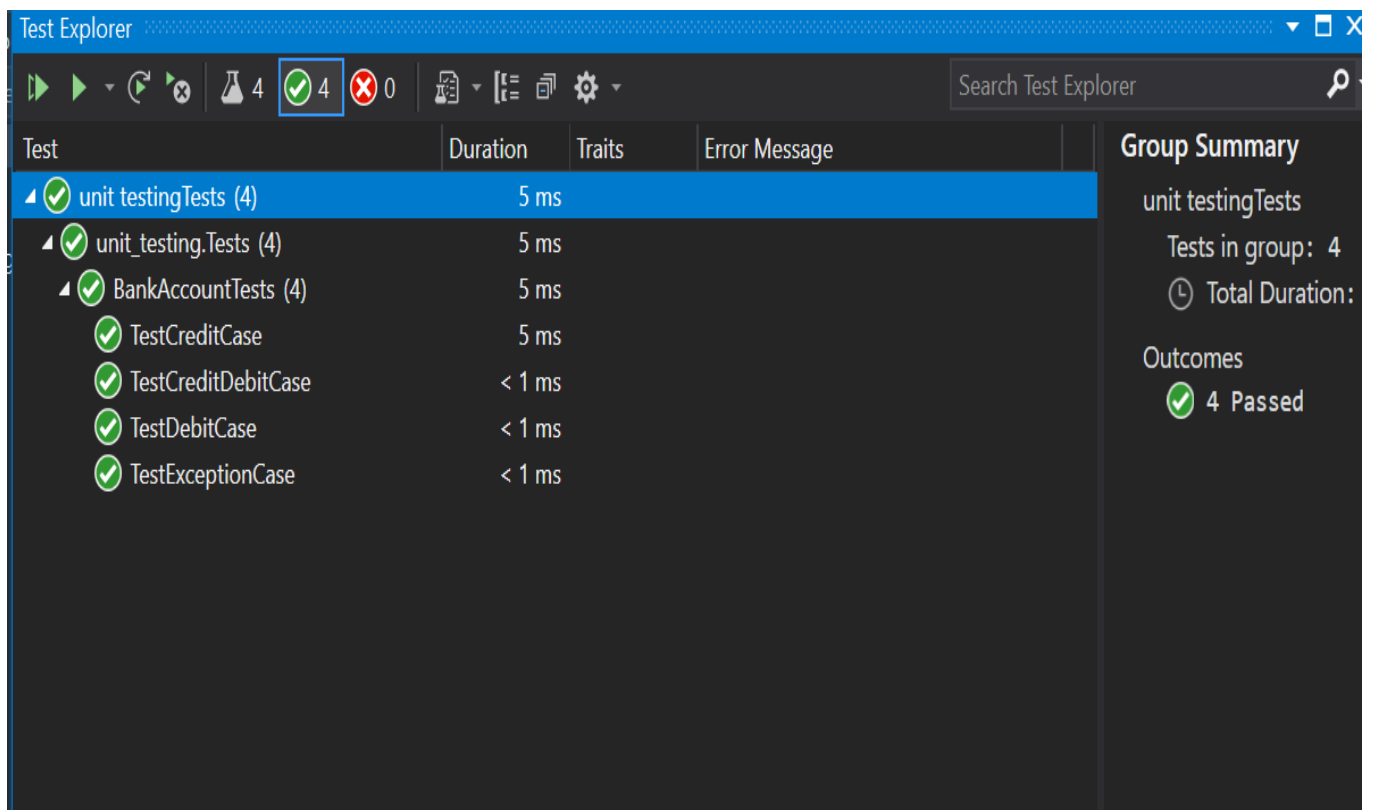
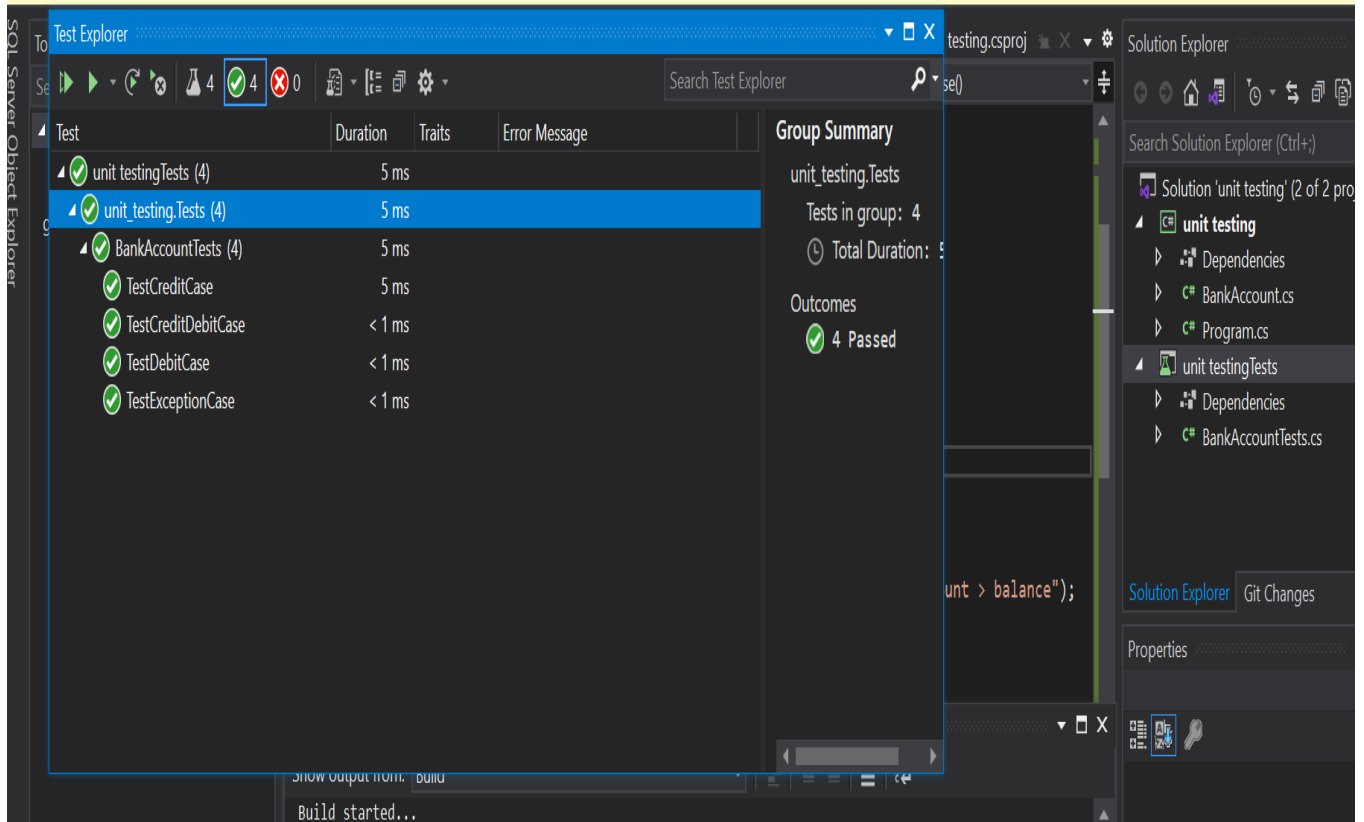
Search Solution Explorer (Ctrl+;)

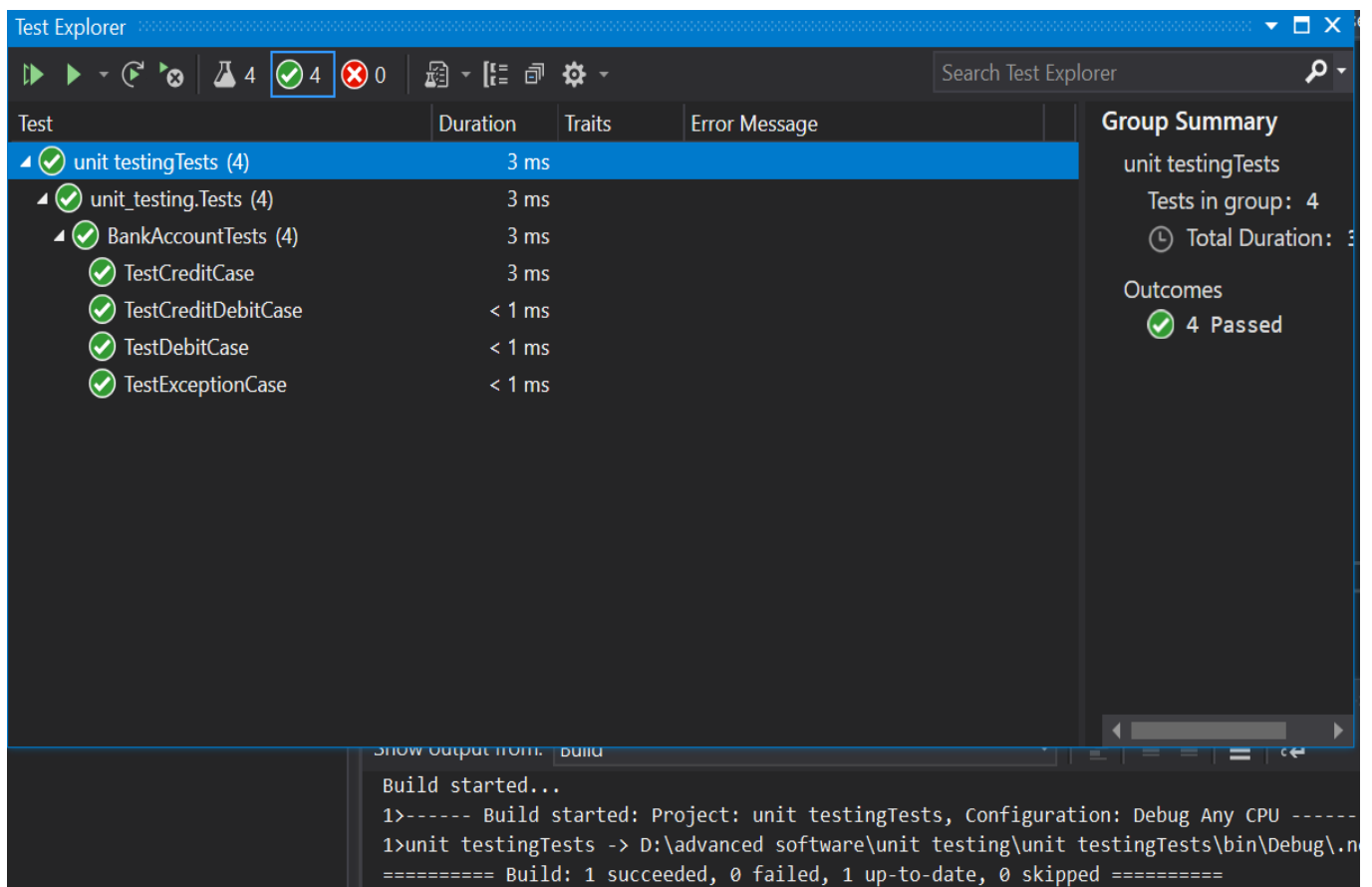
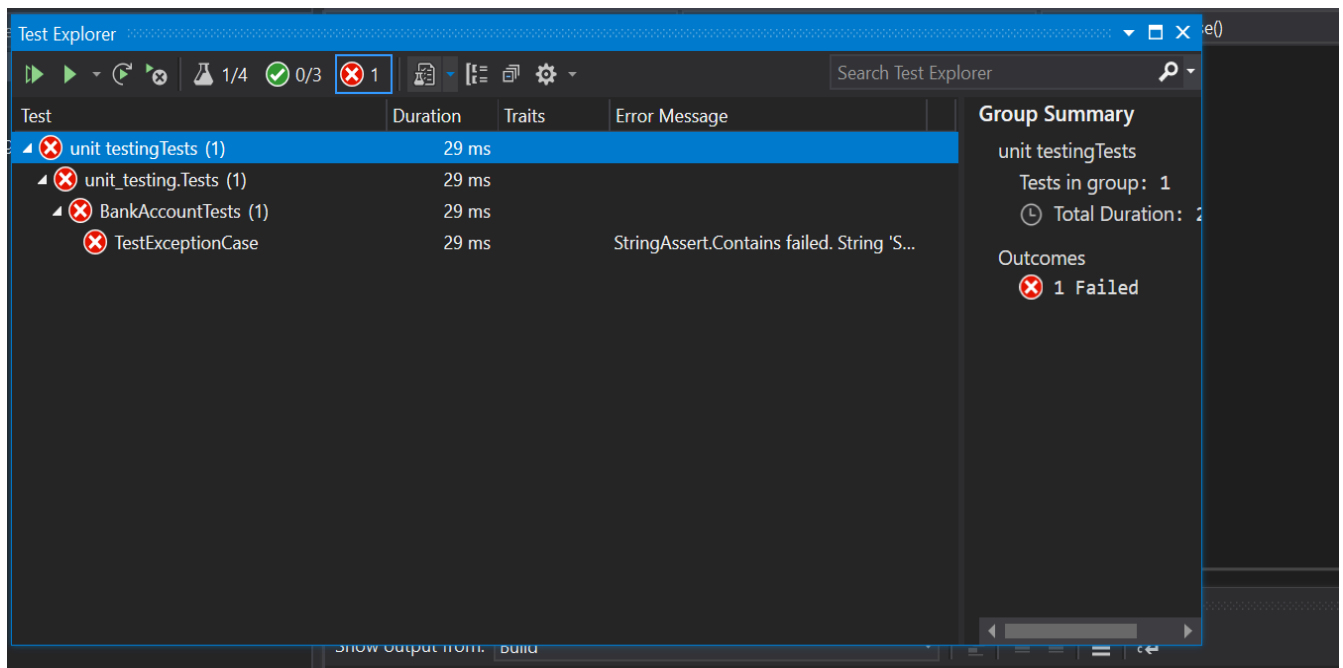
- Solution 'unit testing' (2 of 2 projects)
- unit testing
  - Dependencies
  - BankAccount.cs
  - Program.cs
- unit testingTests
  - Dependencies
  - BankAccountTests.cs

Solution Explorer Git Changes

Properties







TEST CASE ID			TEST CASE DESCRIPTION	TEST TO DISPLAY CIRCLE, TRIANGLE AND RECTANGLE	
CREATED BY	Rohit Chapagain	REVIEWED BY		VERSION	1.0
TESTERS' NAME	Rohit Chapagain	TESTED DATE	2021/8/12	TEST RESULT	pass
SN	PRE-REQUITIES			SN	TEST DATA
1	Displaying Circle			1	Paint circle 50
2	Displaying Rectangle			2	Paint rectangle 50 100
3	Displaying Triangle			3	Paint Triangle
TEST SCENARIO		Validating and running circle rectangle and triangle successfully			
SN	STEP DETAILS		EXCEPTED	ACTUAL RESULT	PASS, FAIL OR NOT EXECUTED
1	Open application		Application should run	As excepted	Pass
2	Write code to draw circle in code box		Command should entered	As excepted	Pass
3	Write code to draw rectangle in code box		Command should entered	As excepted	Pass
4	Write code to draw triangle in code box		Command should entered	As excepted	Pass
5	Enter run command at action box and click the run button		It should execute application	As excepted	Pass



	<b>Enter clear command at action box and click the run button</b>	<b>It should clear all the panel and text box</b>	<b>As expected</b>	<b>Pass</b>
<b>7</b>	<b>Write code in text box and click at save button</b>	<b>Written code should save in selected directory with name</b>	<b>As expected</b>	<b>Pass</b>
<b>8</b>	<b>Click at open button To open save document</b>	<b>Save code should open in text box</b>	<b>As expected</b>	<b>Pass</b>
<b>9</b>	<b>Write a code to fill on and fill off</b>	<b>Created shape should be fill with color when code is fill on fill off when code is fill off</b>	<b>As expected</b>	<b>Pass</b>
<b>10</b>	<b>Write a code to move the axis</b>	<b>Axis should move to given number</b>	<b>As expected</b>	<b>Pass</b>
<b>11</b>	<b>Given invalid parameter for the shapes</b>	<b>Should show error message with pop up dialog</b>	<b>As expected</b>	<b>pass</b>

## Github commit screen shot:

