# Creating Client Applications in C#

**Assignment 02: Windows applications**



In this assignment you will practice creating a Windows application. We are creating a simple and familiar app this week; the calculator.

This activity consists of:

* Researching some web pages
* Watch some videos
* Applying your knowledge by creating a simple application

**Step 1: Research**

In this activity you will review key aspects about C# programming.

1. Please review the following web pages (As necessary):

1: Classes

<http://www.functionx.com/csharp/Lesson06.htm>

2: Class Libraries

<http://www.functionx.com/csharp/libraries/introduction.htm>

3: Walkthrough: Getting Started with the Windows Forms Designer

<https://msdn.microsoft.com/en-us/library/9ew6tzdt(v=vs.100).aspx>

### **Step 2: Watch some videos**

1: C# 20 - First Windows Forms Application

<https://www.youtube.com/watch?v=Oxg6ciIcO3U>

2: Visual Studio WinForm Windows Calculator Tutorial Example (C#)

<https://www.youtube.com/watch?v=Is1EHXFhEe4>

### **Step 3: Applying your knowledge**

In this activity, you will create a new multi-tiered windows application.

* Create a new Windows application that allows a user to enter two numbers and calculates the Sum, Difference, Product, Quotient, and have the information displayed back to the user.
* The code that calculates the values should be placed in a separate class from the Form1 class.
* This separate class should be placed in a Class Library (.dll) file.

**Step 3: Submitting your work.**

Homework is graded, so you need to submit to the class website. Late homework is not accepted.

I will demonstrate a solution at the beginning of the next class and it is best if you have your version of the homework available to you while I do so. This way, you can compare your solution to mine and ask questions.