# IT 230 Coding Activity Submission Template

Submit your work on the coding activities for Modules One, Two, Three, Four, and Six in this document. In addition to this document, you should submit a ZIP file containing all your Visual Studio project files and source code that can be run in Visual Studio on a different computer.

For each coding activity, complete the following steps:

* Download and rename this document to meet the file naming conventions requested in the assignment instructions.
* Fill in the required information below by replacing the bracketed text with the relevant information.
* Submit this document and your ZIP file for grading and feedback. Your ZIP file should follow the same naming conventions.

Document your work in the coding activity by completing each of the following items:

1. Provide a screenshot of the output that resulted from running your program successfully in Visual Studio. See the coding assignment instructions for an example of what should be included in the screenshot. Your screenshot must include the following elements:
   1. Your last name as the first printed text on the screen
   2. Verification that the program is fully functioning and data results are accurate for the given problem

A screenshot of a computer

AI-generated content may be incorrect.

1. Copy and paste the source code text you wrote for this assignment from the \*.cs file into the space below. Only providing the \*.cs files or a screenshot does not meet the requirements for this part of the assignment. Code should be logically organized. It should also follow proper syntax and conventions noted in the Coding Activity Guidelines and Rubric.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace AddMultiplyFourInts

{

internal class Program

{

static void Main(string[] args)

{

int int1 = 13, int2 = 55, int3 = 123, int4 = 325;

int sum = int1 + int2 + int3 + int4;

int product = int1 \* int2 \* int3 \* int4;

Console.WriteLine("Nikki Malmanger's Copy");

Console.WriteLine($"The sum of {int1}, {int2}, {int3} and {int4} = {sum}");

Console.WriteLine($"The product of {int1}, {int2}, {int3} and {int4} = {product}");

}

}

}

1. Show that you understand the task by explaining the design of your program in the space below. Include the process and steps you took to write your code. Explain how you arrived at the solution to the problem and completed the activity.

First, I made several integer variables within the main method: int1, int2, int3, int4, sum, and product. The variables named int1-4 are the 4 integer variables we are supposed to use for the project (13, 55, 123, and 325 respectively), the sum is the sum of all the integer variables, and the product is the product of all the integer variables.

Next, we make the console write the statement, “Nikki’s Copy” (because that’s my name), then the next line “$"The sum of {int1}, {int2}, {int3} and {int4} = {sum}"” Using the $ sign before the quotes and putting the variables in brackets makes it so the variables are put in the print statements. We can do almost the exact same thing with printing out the product but replace any mention of the sum with the product.

1. Reflect on your learning experience and what you learned from completing the activity.

I learned how to implement variables into a single print statement without constantly breaking up the statement with plus signs and quotes, which is how I usually do it but it gets annoying fast when you have to do that so much. And by using that method, I have to keep those integers within the method, meaning they have to be local variables instead of global variables.