# 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 black screen with white text

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;

namespace DebugFixIFStmt

{

class Program

{

static void Main(string[] args)

{

(new Program()).run();

}

void run()

{

int firstChoice = 0, secondChoice = 0, thirdChoice = 0;

System.Console.WriteLine("Thompson");

firstChoice = 0; secondChoice = 0; thirdChoice = 0;

WriteCurrentChoices(firstChoice, secondChoice, thirdChoice);

firstChoice = 2; secondChoice = 0; thirdChoice = 0;

WriteCurrentChoices(firstChoice, secondChoice, thirdChoice);

firstChoice = 2; secondChoice = 5; thirdChoice = 0;

WriteCurrentChoices(firstChoice, secondChoice, thirdChoice);

firstChoice = 2; secondChoice = 5; thirdChoice = 7;

WriteCurrentChoices(firstChoice, secondChoice, thirdChoice);

}

void WriteCurrentChoices(int firstChoice, int secondChoice, int thirdChoice)

{

if (firstChoice == 0) //Should be set to firstChoice

Console.WriteLine($"Choices are: {firstChoice}, {secondChoice}, {thirdChoice} => There are no choices yet");

else if (secondChoice == 0) //Needs two equals for comparative, just one sets the value

Console.WriteLine($"Choices are: {firstChoice}, {secondChoice}, {thirdChoice} => Currently choices are {firstChoice}");

else if (thirdChoice == 0) //Three = is invalid

Console.WriteLine($"Choices are: {firstChoice}, {secondChoice}, {thirdChoice} => Currently choices are {firstChoice}, {secondChoice}");

else if(thirdChoice != 0 )

Console.WriteLine($"Choices are: {firstChoice}, {secondChoice}, {thirdChoice} => Currently choices are {firstChoice }, {secondChoice}, {thirdChoice}");

}

}

}

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.

This program only needed a few minor changes, all within the WriteCurrentChoices method. On the first if line, the statement needed to be changed to first evaluate if firstChoice was at 0 instead of secondChoice. Two if statements also needed to be adjusted to use the proper comparator operator (==) as one was using === which is an invalid operator and the other was mistakenly just using = which is what sets the value of a variable. The last major thing that needed to be changed was rewriting the method so that it was correctly using string interpolation and outputting the given values of firstChoice, secondChoice, and thirdChoice into the program output.

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

Since I’ve already taken several programming courses, most of the core concepts have been a revisit, although the syntax is a bit different for C#. It is interesting to see how similar a lot of the ideas are, but how differently C# handles implementing those concepts compared to C++, Python, or other languages.