James Zafiri

01/29/23

CS6003A

Module 02: Assignment 01 – Programming Project 02

Algorithm for Evenly Dived Integer Function

To begin, I am going to set a condition for a while loop and create one so that it can keep running how I want.

Next, I am going to ask the user to input two numbers. I will also make sure the inputs are evaluated as floats.

After that, I will use the while loop I already created to make if, elif, else statements inside of it. The loop will keep on running as long as the user is entering inputs. If the inputs are valid (integers or floats) and evenly divisible, then the loop will break, and the function will return True. However, if the user enters negative numbers, non-numbers, or the combo is not evenly divisible, the program will continue with the loop.

If the user inputs letters or symbols, the program will still run, but it will let them know that they need to enter a valid number. I will use exception handling for this.

If the user enters negative numbers, the loop will go on even if they do something like -2 / -2.

Outside of the loop I will make sure that the Boolean value of True gets returned when the loop stops and I call the function.