

CPSC1012 – Modular Programming Worksheet

Overview

This worksheet will demonstrate your ability to create modularized programs.

Instructions

Complete the following on your own. If you would like to work with a partner, that is fine as both of you are responsible for your own work. Remember this is for learning, not a challenge simply to be completed.

Purpose

The purpose of this worksheet is to ensure that you are familiar with how to create modularized programs.

Questions

**NOTE: Remember to use parameters and NOT global variables for your solutions. This may require you to rewrite the solutions using the appropriate pseudo code. Both problems will use the `GetSafeInt(string prompt)` method.*

1. Create a user-defined function that will determine and return the absolute value of a number.
2. Code the revised menu-driven program that inputs two numbers and, at the user's option, finds their sum, difference, product, or quotient.

Sample Program Output

Question 1

Enter an integer number: -42

`|-42| = 42`

Question 2

Enter 1st number: 42

Enter 2nd number: -23

Choose from one of the following options:

S - Sum of the two numbers

D - Difference of the two numbers

P - Product of the two numbers

Q - Division of the two numbers

Choice: d

`42 - -23 = 65`