**Assignment Information**

[Assignment Information](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35086_1&content_id=_5842076_1&mode=view)

Assignments are either due at the end of the module, or at the end of class period.

Assignment descriptions will sometimes be posted separately from assignment submission links.

**M1HW**

This exercise tests your ability to turn English requirements into a working program. For this assignment, you will create a simple calculator. You are welcome to use any language you're currently studying.

The program should use a simple text menu and text input. You only need to work with integers.

The program should display a text menu allowing the user to choose a calculation type. After doing this, the user will be prompted to enter two numbers. The program will display the result, then return to the main menu.

**Tier Grading**

We will use a Bronze/Silver/Gold tier system, where Bronze gives a maximum of 80 points, SIlver, a maximum of 90, and Gold up to 100. I recommend you always complete one tier before adding the functionality for later tiers.

**Bronze (80/100)**

The program should allow the user to either add or subtract two numbers.

**Silver (90/100)**

The program should also allow the user to divide or multiply two numbers.

**Gold (100/100)**

For this tier, the program should work in a way that matches the behavior displayed in the sample output below. You may have to make some assumptions.

**Sample Output**

User output is displayed in **bold**.

Welcome to the calculator program.  
1. Add  
2. Subtract  
3. Divide   
4. Multiply  
5. Exit  
Enter a number: **1**  
Add   
Enter a number: **2**  
Enter a number: **2**  
2 + 2 = 4  
1. Repeat  
2. Main Menu  
Enter a number: **1**Add

Enter a number: **1**  
Enter a number: **1**  
1 + 1 = 2

1. Repeat  
2. Main Menu  
Enter a number: **1**

Welcome to the calculator program.  
1. Add  
2. Subtract  
3. Divide  
4. Multiply  
5. Exit  
Enter a number: **5**  
Goodbye.

Submit assignment M1HW here. (Due date: 8/30/2021)