Assignment 6

Due 21 October 7:59am

1 Problem 1

Very Basic Calculator, Procedurally Write a program that prompts the user to choose an operation choice (from 1 to 4). The program will then ask the user to input two integer values for the calculation. This time you may use either *switch* or *if-else*.

Example:

```
        1. Add
        2. Subtract
        3. Multiply
        4. Divide
Enter your choice: 1
Enter your two numbers: 12 8
Result: 20

Continue? y
```

Also, as shown above , the program should ask the user to decide whether they want to continue the operation. If they input y, the program will prompt the user to choose the operation again. Otherwise, the program will terminate.

You must write your program using multiple functions! Not doing so will result in a very low score for this assignment.

Create separate functions for each of the following logically distinct parts of the program:

1. Showing the menu and getting the user's choice of add/subtract/ multiply/divide

2. Performing the addition

3. Performing the subtraction

4. Performing the multiplication

5. Performing the division

6. Printing the answer

7. Asking the user if they'd like to continue and getting their answer

2   Bonus: 10pts

Header files Do the assignment as described above, however, place all your function declarations in separate *header files* in the same Visual Studio project.

The following link has more information on this: `http://www.learncpp.com/cpp-tutorial/19-header-files/`