Exercise 4: Calculating with Integers

Clone your repository

1. Click the appropriate link and accept the assignment to create your repository for submitting your work:
    a. Gallant AM: https://classroom.github.com/a/c2zJXe8E
    b. Gallant PM: https://classroom.github.com/a/cCHLUK2m
    c. Nunn AM: https://classroom.github.com/a/pgl59_ye
    d. Nunn PM: https://classroom.github.com/a/atmQNeBV
    e. Wijaya AM: https://classroom.github.com/a/Yh-0-eKU
    f. Wijaya PM: https://classroom.github.com/a/d80itjBk
2. In GitHub Desktop, clone the repository to your desktop.

You are now ready to begin the exercise.

Problem – Calculating with integers

3. Create a new C# Console App named Exercise4 and save it in the repository folder you just created.

    a. If you don't remember where you saved it, go to GitHub Desktop and click the Open in Explorer button or go to Repository menu and select Open in Explorer there.

4. In the **Main** method, do the following:
5. Prompt for and get the altitude for a location as an **int**.
6. Prompt for and get the altitude for a second location as an **int** .
7. Calculate and display the altitude change you'd experience moving from the first point to the second point.

    Hint: The order of the subtraction matters, so make sure you're getting the correct sign on your answer.

    Prompting for and Getting Input

    To prompt for an input, you could use something like:

    ```
    Console.Write("Enter first altitude: ");
    ```

    To read, parse, and store an altitude typed in by the user, you could use something like:

    ```
    int firstAltitude = int.Parse(Console.ReadLine());
    ```

8. Commit your changes in GitHub Desktop with commit message: "Completed Exercise 4"

Submit Your Work

9. Make a final test of your code and copy the output from the terminal window.
10. If you need to make any additional changes to your code, make sure you commit them.
    a. By committing and pushing your updates to GitHub you have submitted your assignment on GitHub Classroom.
11. Return to CodeHS. Paste your output into the code window to complete the assignment.