ASSIGNMENT 3

INTRODUCTION

This will be your first non-Bowers assignment. Before you begin this assignment, make sure your **BowersHeading** file has been renamed to **LastNameHeading** (where *LastName* is your own last name).

ASSIGNMENT

Complete **Exercise 4.15** on page 415 of your text. Make the following modifications/clarifications to the assignment:

- Name your Visual Studio project **LastName_3** (where *LastName* is your own last name).

- Add your **LastNameHeading** file to the project.

- When your application launches, make sure it displays your heading with the value `Assignment 3`.

- Do not prompt the user for the current year; rather, use methods/properties from the `DateTime` object to obtain the current year.

- When obtaining the user's birth year, assume the user enters a numeric value. Error handling is not required.

- All output should be indented two spaces from the left of the screen. Likewise, the cursor for the `Console.ReadLine()` method should also be two spaces from the left of the screen as shown in Figure 1 (below). To complete this task, you may have to perform some research on the Internet and/or MSDN. To get you started, look in the documentation for the `System.Console` class. All calls to `Console.ReadLine()` should display the cursor indented from the left of the screen by two spaces (as shown in Figure 2).
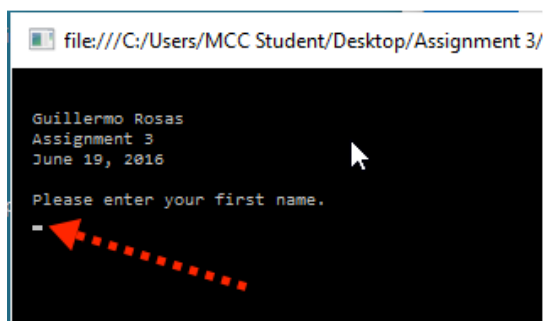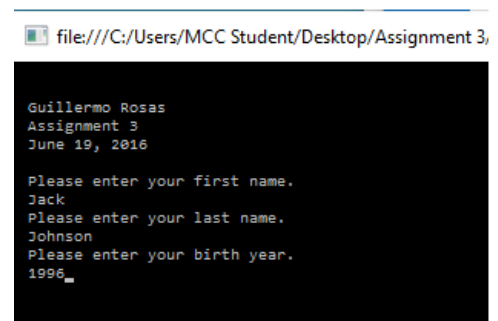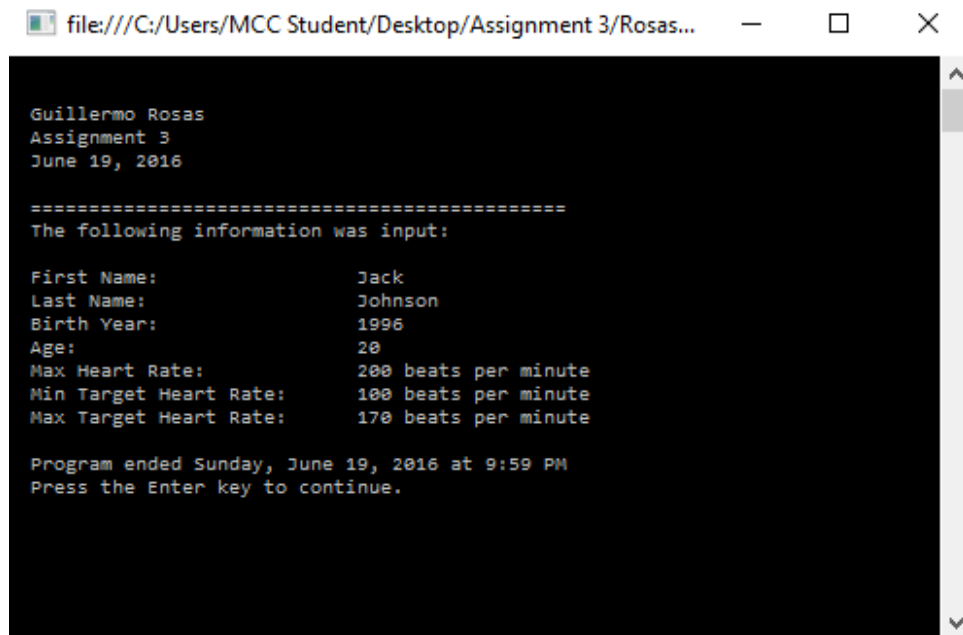

Figure 1

Figure 2

Continued on the next page.

- Figure 2 on the previous page shows the process of prompting the user for data. Once the user has entered their year of birth, clear **the screen** (potentially more research into `System.Console`). Then, display your heading (again passing the value `Assignment 3`).

- After displaying your heading, the application should display the information stored in the `HeartRates` object as written in **Exercise 4.15** on page 141. Display all the data in columns and make sure to include labels for the data. Figure 3 (below) shows an example of *my* output. With the exception of the required output of getHeading() and getClosing(), you may label your data, adjust column widths, and order the output of data as you see fit; however, all output must still be indented two spaces from the left.

- Call your heading class' `getClosing()` method.

Figure 3

COMPLETION

- When complete, please ZIP the entire solution into a single file named **LastName_3.zip** (where *LastName* is your own last name).

- Upload and submit the ZIP file to the Assignment 3 drop box in Blackboard.