

Object-Oriented Programming: Homework #1

Time

- Assigned on 2/27/2023 (Monday); Due at 09:00 am on 3/13/2023 (Monday)

Submission

- Source Code Submit on [iLearning](#).
- Your program code should be submitted as a single .java file named HW1_studentID.java (DO NOT submit the entire Eclipse project, only the source files).

Objectives

- Use of basic input and output in Java.
- Declaring, Defining and Using variables.
- Use division avoiding the problems associated when using integer division where floating-point division should be used.

Program Specifications

- Implement a program that:
 1. Get the following from the user:
 - first name,
 - last name,
 - birth year,
 - height (in centimeter, e.g., 189).To help you remember what to input, use prompts while you are developing.
 2. Subsequently,
 - approximates the user's age as their birth year subtracted from the current year.
 - calculates his/her average annual growth per year in centimeters, under the assumption that one's height at birth is 51 cm.

Your implementation should be written such that it is easily readable by other programmers. Use comments where appropriate and use appropriate variable identifiers.

Example Program Run

- Example assumes year is 2020, but you should use the current year.
- The input is expected to be in the exact order as shown below in the green text below. Note that the height of Jason Lin is 189 cm.
- Then output the results precisely as shown in the **red text below**. Note: This is what things will look like when you are debugging and run your code in Eclipse.

First name: Jason

Last name: Lin

Birth year: 2000

Height in cm: 189

Hello Jason Lin.

You are 20 years old in 2020.

Your height is 189 cm.

You grew an average of 6.900 cm per year (assuming you were 51 cm at birth).