ASSIGNMENT 1
OO PROGRAMMING

October 3, 2023

The source code should be uploaded in the UPEL platform at the end of the class. DO NOT upload any executables, compressed files, subdirectories or temporary files.

[1] Create JAVA directory on your student account, and then a subdirectory called 00. Work there during this classes. Download and compile Example00.java using:
`javac Example00.java`
and if there are no errors start the program:
`java Example00`

[2] Create a method that computes the position of a free falling object in Earth's gravity. The formula for the position at the time t is

$$x(t) = \frac{1}{2}at^2 + v_0 t + x_0$$

where $a = -9.81$ m/s^2 is the free fall acceleration, x_0 is the initial height, and v_0 is the initial speed. Run the method to calculate the position at $t = 2.2$ s of the stone that was thrown upwards from the top of the tower at height $x_0 = 257$ m, with the initial speed 63km/h.