

## SESSION 1: PRESENTATION. FIRST STEPS IN ECLIPSE

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### GOALS:

1. Explain the laboratory guidelines and how the laboratory part will be assessed.
2. Brief reminder about Java (interpreter/compiler) and two ways of using it:
  - Command line
  - IDEs, such as Eclipse
    - Download from <https://www.eclipse.org/downloads/>
    - Install it
3. Practice with reading integer numbers from the keyboard, variable assignments, conversion between integer and real numbers and writing to the screen (with and without format).
4. Knowing the basics about Eclipse.
  - a. Creating a code file (New Class)
  - b. Compiling
  - c. Executing → showing results on the console

### EXERCISE:

Write a program that reads the value of an integer X from the keyboard, calculates the 70% of that value and prints it out. Then, read another integer Y, and calculate the result of multiplying Y by the 70% of X:

- ¿What happened with the decimals in the operations? ¿Is the result correct?
- Keep the code you already have and add the code necessary to the program so that it transforms the integer X to a real number and perform again the previous calculations. ¿Is the new result correct?
- Add the code necessary so that the result of the operations above is shown on screen with 3 decimals.

The program must be properly documented and facilitate user interaction.