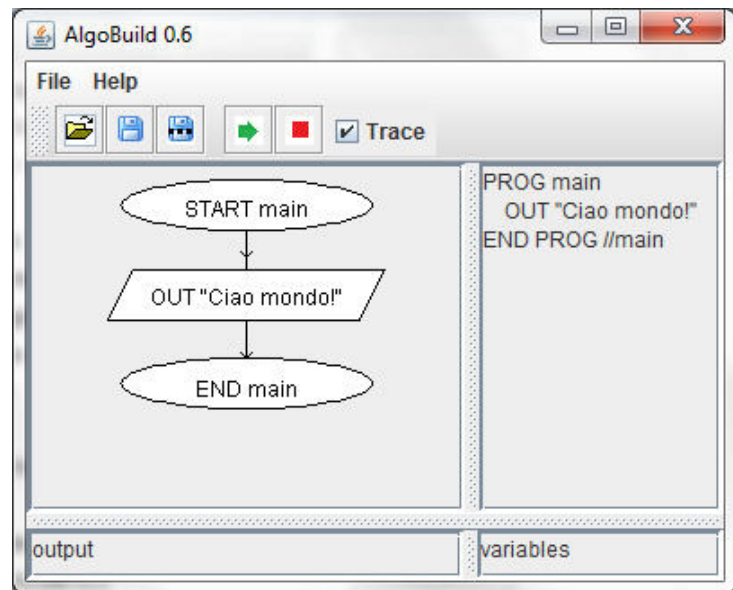# Algobuild

Algobuild is a type of educational software specifically built to study programming and algorithms.

It is different from a traditional flowchart editor because its purpose is that of developing programs and not just drawing flowcharts. For this reason, the focus is on the logic of the program and in particular structured programming with use of flowcharts and pseudocode. The programming languages that can be used with Algobuild are Pascal, C, Java, Basic and many others.

Once the program has been written with Algobuild, it can be executed into a design environment.

Algobuild can be used both at school with an IWB or at home with a PC.

It allows rapid tests of new applications for microcontrollers and sensors, including existing algorithms, user-defined data processing blocks and other functions. The application simplifies the writing of a program by using a graphical interface, without requiring specific knowledge of a programming language.

■ Hello World!

It is a long established tradition that, when learning to code, the first program prints the words "Hello World!" on the screen. Here is the Algobuild version of "Hello World!" in Italian.

1 Compare the Java Code for "Hello World!" with the Algobuild example.

```
// Your First Program
Class HelloWorld {
     Public static void main (String[ ] args) {
      System.out.println("Hello, World!");
      }
}
```

1. In which way are they different?

2. Why is Algobuild easier to use?

3. Have you ever used Algobuild? If so, do you like it?

4. If you haven't used Algobuild yet, would you like to try it? Why?