

Eclipse Prolog in Our Class – First Note

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Why in this class. The main controller of the robot for the final project in this class is implemented in Eclipse Prolog. However, this class is **not** about Eclipse Prolog. We will have only four sessions on Prolog.

Eclipse Prolog on departmental machines. Eclipse Prolog is installed on the Windows machines used for this class (Room ??). Each of the group is allocated one machine. Please use other machines only when it is absolutely necessary. On Linux machines, you can also run Eclipse Prolog. It is installed in the directory `/home/pippo2/Eclipse5/bin/i386_linux/` and 'eclipse' is the application name.

Eclipse Prolog web site. The software's web site <http://www-icparc.doc.ic.ac.uk/eclipse/> is a good place to start to look for answers when you have some problems related to Eclipse Prolog.

How to start Eclipse Prolog. Start Eclipse using menu on Windows machines: `Start/All Programs/Eclipse xx/TkEclipse`. Use menu items to compile a file, enter a query, and see the result. Please get familiar to the Eclipse software.

Prolog. Prolog is a declarative language. It is very different than the imperative languages such as C, C++, JAVA, Pascal, etc. Instead of telling the computers how to do things through (*procedures*) as in C, C++, JAVA, etc., Prolog tells the computers what properties an object has in a given domain. It is introduced by Kowalski and Colmerauer in 1972. Prolog stands for *programming in logic*. For our purpose, we will study Prolog through examples and will only discuss a few theoretical important issues behind the implementation of Prolog whenever it is needed.