

The main aim of this bachelor thesis is to implement interpreter of the language prolog with graphical debugger, which extends possibilities of classical text debugging, adds the ability to browse call stack easily, view the targets, which went through exit port and still have not been backtracked. This all displays and refreshes so the actual content of variables is always shown. Debugger and query run in separated threads, so the application always reacts. Query can be at any time stopped or suspended. Debugger is turned on when a query is suspended, so the call stack can be browsed. It is even possible to browse parts of call stack and exited goals while a query is running.