





Erlang at Uppsala University

High Performance Erlang (HiPE) research group

- Native code compiler (SPARC, x86, x86_64, PowerPC, ARM)
- Program analysis and optimization
- Runtime system improvements
- Language development and extensions
- Programming and static analysis tools
- Most results from the HiPE project have been included in the official Erlang distribution



· ': ' used for calling functions in other modules





- Can be used in a normal Makefile



- A recursive function

 -module (factorial). -export ([fac/1]).

 fac(N) when N > 0 -> N * fac(N-1); fac(0) -> 1.

 • Variables start with upper-case characters!

 • '; ' separates function clauses

 • Variables are local to the function clause

 • Pattern matching and guards to select clauses

 • Run-time error if no clause matches (e.g., N < 0)</td>
 - Run-time error if N is not an integer



the result is the value of another function call









- At run-time: atom_to_list(Atom), list_to_atom(List)



























Preprocessor		
	-include("defs.hrl").	 C-style token-level preprocessor
	-ifndef(PI). -define(PI, 3.1415926). -endif.	 Runs after tokenizing, but before parsing
	area(R) -> ?PI * (R*R).	 Record definitions often put in header files, to be included
	{foo,2} = ?foo(1)]	 Use macros mainly for constants
	%% pre-defined macros ?MODULE ?LINE	 Use functions instead of macros if you can (compiler can inline)







