

Erlang Built-in Data Types

Integer	
Float	
Atom	An atom is a literal, a constant with name. An atom should be enclosed in single quotes (') if it does not begin with a lower-case letter or if it contains other characters than alphanumeric characters, underscore (_), or @.
bit string	Store an area of untyped memory. e.g. <<"ABC">>.
Binary	A number of bit strings which is divisible by eight
Reference	An arbitrary "marker" than can be later use to reference a Process, function, etc.
Fun	A special variable that holds a function
Port Identifier	Used to identify a specific port when using port drivers
Pid	A process identifier. Usually returned by functions like spawn()
Tuple {term, term}	Compound data type with a fixed number of terms
List	Compound data type with a variable number of terms.
String	Not an actual data type. Stored as a list of integers
Record	A record is a data structure for storing a fixed number of elements.
Boolean	Not an actual data type, but the atoms <i>true</i> and <i>false</i> represent those values when testing

BIF's: Type Conversion

atom_to_list(hello).	"hello"
list_to_atom("hello").	hello
binary_to_list(<<"hello">>).	"hello"
list_to_binary("hello").	<<104,101,108,108,111>>
float_to_list(7.0).	"7.000000000000000000000000e+00"
list_to_float("7.000e+00").	7.0
tuple_to_list({a,b,c}).	[a, b, c]
list_to_tuple([a,b,c]).	{a, b, c}
term_to_binary({a,b,c}).	<<131,104,3,100,0,1,97,100,0,1,98,100,0,1,99>>
binary_to_term(<<131,104,3,100,0,1,97,100,0,1,98,100,0,1,99>>).	{a, b, c}

Module Attributes

-modules(name_of_module).
-export([functions]).
-import(module, functions).
-compile(options).
-vsn(Vsn).
-on_load(function).
-behavior(behavior).
-record(Record,Fields).



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