Unions
Code
linked list 1 details issues

Cons Cell = CONS-TYPE

INT-TYPE

First

7

Value

CONSCELL CONSTYPE

CONSCELL

CONSTYPE

CONSTY

CONSTYPE

CONSTY

CONSTYPE

CONSTY

CONSTYPE

CONSTY

CONSTYPE

CONSTY

CONSTYPE

CONSTY

What we are not doing is using built in C null for the ends of lists ConsCell INT-TYPE One of the functions: Void display (SchemeVal * list) { // code

---- until EMPTY_TYPE...

It list is an actual C NULL, that's a bug. It should never happen, unless your other functions constructed the list incorrectly. if (list = = NUCC) { Printf ("omg internal bug") a bette approach: assert (list!= NULL) if condition is not true stop u/a line number - designed for identifying internal bugs #include cassert.h>

Compilers vs interpreters Computers only undestad "machine language" We need took to allow us to use higher level languages Compile is just a translator Program
in a
different
(low level)
language high le-l program Compiler (C, Jara) Source

Interpreter is a program that
directly executes the source
program
- interpreter "pretends" to
understand the source program