NAME

icon_vt − construct Icon variant translator system

SYNOPSIS

icon_vt

DESCRIPTION

An Icon variant translator system is a facility for constructing preprocessors for variants of Icon.

To set up a variant translator system, a new directory should be created solely for its use; otherwise files may be accidentally destroyed by the set-up process. For the purpose of example, suppose this directory is named vt. The set-up process consists of

        mkdir vt
        cd vt
        icon_vt

Note that icon_vt must be run in the area in which the variant translator system is to be built.

The shell script icon_vt constructs two subdirectories: h and itran. The subdirectory h contains header files that are needed in C routines. The subdirectory itran contains the translator proper.

The main directory in which icon_vt is run contains a Makefile and auxiliary files needed to construct a variant translator, which is named vitran. The two files variant.defs and variant.c initially are placeholders. It is in these files that the variant is described by macro specifications and any needed C support routines. A *make* in this directory produces a translator, vitran. If variant.def and variant.c are left empty, the result is an identity translator.

If the input syntax of the variant translator is different from that of Icon, it is necessary to modify the Icon grammar, which is in itran/icon_g.c.

OPTIONS

−m   Preprocess each .icn source file with the *m4(1)* macro processor.

−s   Suppress informative messages. Normally, both informative messages and error messages are sent to standard error output.

−P   Suppress #line directives in the output. This option may be necessary to prevent #line directives from occurring in places that result in syntactically incorrect output.

FILES

v9/vtran   code for building personalized interpreters

SEE ALSO

icont(1)

Variant Translators for Version 9 of Icon, Ralph E. Griswold, IPD245, Department of Computer Science, The University of Arizona, 1995.

Building Source-Code Processors for Icon, Ralph E. Griswold, IPD263, Department of Computer Science, The University of Arizona, 1995.

The Icon Programming Language, Ralph E. Griswold and Madge T. Griswold, Prentice-Hall Inc., second edition, Englewood Cliffs, New Jersey, 1990.