

LCC(1)

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-0

arranges to write a **mon.out** file when the object program terminates normally. An execution profile can then be generated with *prof*(1). *lcc* warns when **-p** is unsupported.

-pg Causes the compiler to produce counting code like **-p**, but invokes a run-time recording mechanism that keeps more extensive statistics and produces a **gmon.out** file at normal termination. Also, a profiling library is searched, in lieu of the standard C library. An execution profile can then be generated with *gprof*(1). *lcc* warns when **-pg** is unsupported.

-tname

-t Produce code to print the name of the function, an activation number, and the name and value of each argument at function entry. At function exit, produce code to print the name of the function, the activation number, and the return value. By default, *printf* does the printing; if *name* appears, it does. For null *char** values, "(null)" is printed. **-target name** is accepted, but ignored.

-tempdir=dir

Store temporary files in the directory *dir/* or *dir*. The default is usually **/tmp**.

-Wxarg

pass argument *arg* to the program indicated by *x*; *x* can be one of **p**, **f**, **a**, or **l**, which refer, respectively, to the preprocessor, the compiler proper, the assembler, and the loader. *arg* is passed as given; if a **-** is expected, it must be given explicitly. **-Woarg** specifies a system-specific option, *arg*.

Other arguments are taken to be either loader option arguments, or C-compatible object programs, typically produced by an earlier *lcc* run, or perhaps libraries of C-compatible routines. Duplicate object files are ignored. These programs, together with the results of any compilations specified, are loaded (in the order given) to produce an executable 64 0 TD with name **a.out** (UNIX) or **a.exe** (Windows).

lcc assigns the most frequently referenced scalar parameters and locals to registers whenever possible. For each block, explicit register declarations are obeyed first in the order

without declaring it as such violates the ANSI standard and may cause a fault.

FILES

The file names listed below are *typical*, but vary among installations; installation-dependent variants can be displayed by running *lcc* with the *-v* option.

file.{c,C}	input file
file.{s,asm}	assembly-language file
file.{o,obj}	object file
a.{out,exe}	loaded output
/tmp/lcc*	temporary files
\$LCCDIR/cpp	preprocessor
\$LCCDIR/rcc	compiler
\$LCCDIR/liblcc.{a,lib}	<i>lcc</i> -specific library
/lib/crt0.o	runtime startup (UNIX)
/lib/[gm]crt0.o	startups for profiling (UNIX)
/lib/libc.a	standard library (UNIX)
\$LCCDIR/include	ANSI standard headers