

NAME

flex – the fast lexical analyser generator

SYNOPSIS

flex [*OPTIONS*] [*FILE*]...

DESCRIPTION

Generates programs that perform pattern–matching on text.

Table Compression:

- Ca, --align**
trade off larger tables for better memory alignment
- Ce, --ecs**
construct equivalence classes
- Cf** do not compress tables; use **-f** representation
- CF** do not compress tables; use **-F** representation
- Cm, --meta-ecs**
construct meta–equivalence classes
- Cr, --read**
use read() instead of stdio for scanner input
- f, --full**
generate fast, large scanner. Same as **-Cfr**
- F, --fast**
use alternate table representation. Same as **-Cfr**
- Cem** default compression (same as **--ecs --meta-ecs**)

Debugging:

- d, --debug**
enable debug mode in scanner
- b, --backup**
write backing–up information to lex.backup
- p, --perf-report**
write performance report to stderr
- s, --nodefault**
suppress default rule to ECHO unmatched text
- T, --trace**
flex should run in trace mode
- w, --nowarn**
do not generate warnings
- v, --verbose**
write summary of scanner statistics to stdout
- hex** use hexadecimal numbers instead of octal in debug outputs

FILES

- o, --outfile=FILE**
specify output filename
- S, --skel=FILE**
specify skeleton file
- t, --stdout**
write scanner on stdout instead of lex.yy.c

--yyclass=NAME
name of C++ class

--header-file=FILE
create a C header file in addition to the scanner

--tables-file[=FILE] write tables to FILE

--backup-file=FILE
write backing-up information to FILE

Scanner behavior:

-7, --7bit
generate 7-bit scanner

-8, --8bit
generate 8-bit scanner

-B, --batch
generate batch scanner (opposite of **-I**)

-i, --case-insensitive
ignore case in patterns

-l, --lex-compatible
maximal compatibility with original lex

-X, --posix-compatible
maximal compatibility with POSIX lex

-I, --interactive
generate interactive scanner (opposite of **-B**)

--yylineno
track line count in yylineno

Generated code:

+, --c++
generate C++ scanner class

-Dmacro[=defn]
#define macro defn (default defn is '1')

-L, --noline
suppress #line directives in scanner

-P, --prefix=STRING
use STRING as prefix instead of "yy"

-R, --reentrant
generate a reentrant C scanner

--bison-bridge
scanner for bison pure parser.

--bison-locations
include yylloc support.

--stdinit
initialize yyin/yyout to stdin/stdout

--nounistd
do not include <unistd.h>

--noFUNCTION
do not generate a particular FUNCTION

Miscellaneous:

- c** do-nothing POSIX option
- n** do-nothing POSIX option
- ?**
- h, --help**
produce this help message
- V, --version**
report flex version

SEE ALSO

The full documentation for **flex** is maintained as a Texinfo manual. If the **info** and **flex** programs are properly installed at your site, the command

info flex

should give you access to the complete manual.