

gcc编译tiny源码

Subtitle

2022/10/05



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makefile

```
CC=gcc
CCFLAGS=-Wall
tiny:main.o analyze.o cgen.o code.o parse.o scan.o symtab.o util.o
clean:
    rm -rf *.o
```

出现的问题：

```
$ make
gcc -c -o cgen.o CGEN.C
CGEN.C: In function 'void genStmt(TreeNode*)':
CGEN.C:32:44: warning: deprecated conversion from string constant to 'char*'
CGEN.C:39:53: warning: deprecated conversion from string constant to 'char*'
CGEN.C:43:52: warning: deprecated conversion from string constant to 'char*'
CGEN.C:46:58: warning: deprecated conversion from string constant to 'char*'
CGEN.C:46:58: warning: deprecated conversion from string constant to 'char*'
CGEN.C:52:53: warning: deprecated conversion from string constant to 'char*'
CGEN.C:52:53: warning: deprecated conversion from string constant to 'char*'
CGEN.C:54:45: warning: deprecated conversion from string constant to 'char*'
CGEN.C:58:48: warning: deprecated conversion from string constant to 'char*'
CGEN.C:62:63: warning: deprecated conversion from string constant to 'char*'
CGEN.C:67:66: warning: deprecated conversion from string constant to 'char*'
CGEN.C:67:66: warning: deprecated conversion from string constant to 'char*'
CGEN.C:68:49: warning: deprecated conversion from string constant to 'char*'
CGEN.C:72:48: warning: deprecated conversion from string constant to 'char*'
CGEN.C:77:53: warning: deprecated conversion from string constant to 'char*'
CGEN.C:77:53: warning: deprecated conversion from string constant to 'char*'
CGEN.C:78:49: warning: deprecated conversion from string constant to 'char*'
CGEN.C:82:49: warning: deprecated conversion from string constant to 'char*'
CGEN.C:82:49: warning: deprecated conversion from string constant to 'char*'
CGEN.C:84:51: warning: deprecated conversion from string constant to 'char*'
CGEN.C:84:51: warning: deprecated conversion from string constant to 'char*'
CGEN.C:90:40: warning: deprecated conversion from string constant to 'char*'
CGEN.C:90:40: warning: deprecated conversion from string constant to 'char*'
CGEN.C: In function 'void genExp(TreeNode*)':
CGEN.C:104:44: warning: deprecated conversion from string constant to 'char*'
CGEN.C:106:52: warning: deprecated conversion from string constant to 'char*'
CGEN.C:106:52: warning: deprecated conversion from string constant to 'char*'
CGEN.C:107:45: warning: deprecated conversion from string constant to 'char*'
CGEN.C:111:41: warning: deprecated conversion from string constant to 'char*'
CGEN.C:113:44: warning: deprecated conversion from string constant to 'char*'
CGEN.C:113:44: warning: deprecated conversion from string constant to 'char*'
```

[illegible]

makefile

```
#
# makefile for TINY
# Borland C Version
# K. Loudon 2/3/98
#

CC = gcc

CFLAGS = -Wall

OBJS = main.o util.o scan.o parse.o symtab.o analyze.o code.o cgen.o

tiny: $(OBJS)
    $(CC) $(CFLAGS) $(OBJS) -o tiny

main.o: main.c globals.h util.h scan.h parse.h analyze.h cgen.h
    $(CC) $(CFLAGS) -c main.c

util.o: util.c util.h globals.h
    $(CC) $(CFLAGS) -c util.c

scan.o: scan.c scan.h util.h globals.h
    $(CC) $(CFLAGS) -c scan.c

parse.o: parse.c parse.h scan.h globals.h util.h
    $(CC) $(CFLAGS) -c parse.c

symtab.o: symtab.c symtab.h
    $(CC) $(CFLAGS) -c symtab.c

analyze.o: analyze.c globals.h symtab.h analyze.h
    $(CC) $(CFLAGS) -c analyze.c

code.o: code.c code.h globals.h
    $(CC) $(CFLAGS) -c code.c

cgen.o: cgen.c globals.h symtab.h code.h cgen.h
    $(CC) $(CFLAGS) -c cgen.c

clean:
    -rm tiny.exe
    -rm tm.exe
    -rm main.o
    -rm util.o
    -rm scan.o
    -rm parse.o
    -rm symtab.o
    -rm analyze.o
    -rm code.o
    -rm cgen.o
    -rm tm.o
```

```
tm: tm.c
    $(CC) $(CFLAGS) tm.c -o tm

all: tiny tm
```

编译信息：

```
$ make all
gcc -Wall -c main.c
main.c:48:1: warning: return type defaults to 'int'
gcc -Wall -c util.c
util.c:111:8: warning: type defaults to 'int' in declaration of 'indentno'
gcc -Wall -c scan.c
gcc -Wall -c parse.c
parse.c:23:19: warning: conflicting types for built-in function 'exp'
gcc -Wall -c symtab.c
gcc -Wall -c analyze.c
gcc -Wall -c code.c
gcc -Wall -c cgen.c
gcc -Wall main.o util.o scan.o parse.o symtab.o analyze.o code.o cgen.o -o tiny
gcc -Wall tm.c -o tm
```

Printed on: 2022/10/05 21:35

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