

# Compiler Project #2

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## 1 ENVIRONMENT

**Operating System** Fedora release 14 (Laughlin)

**Kernel** Linux 2.6.32.60 i686

## 2 MAKEFILE

```
CC=gcc
CFLAGS=-lfl

LEX=lex
YACC=yacc

YACC_TEST_DIR=input_yacc

all: y.tab.c lex.yy.c
    $(CC) lex.yy.c -ll -o scanner    # get scanner
    $(CC) lex.yy.c y.tab.c -ll      # get parser

y.tab.c: parser.y
    $(YACC) -d -v $<
```

```
lex.yy.c: lex.l
$(LEX) $<

run:
    echo "" > result
    -@./a.out $(YACC_TEST_DIR)/decl.p >> result
    -@./a.out $(YACC_TEST_DIR)/err2.p >> result
    -@./a.out $(YACC_TEST_DIR)/err.p >> result
    -@./a.out $(YACC_TEST_DIR)/expr1.p >> result
    -@./a.out $(YACC_TEST_DIR)/statement.p >> result
    -@./a.out $(YACC_TEST_DIR)/test.p >> result

clean:
    @rm lex.yy.c scanner y.tab.* y.output a.out
```

### 3 MAKE & RUN

I am working under "Fedora", so I don't need "-ly" for gcc argument. Make sure to put them on if the program is run on other platform.

**Make** make

**Test** make run