■ 구문 분석기 프로그램 설치 및 테스트

```
student@ubuntu:~/compiler/hw$ yacc -d compiler.y
compiler.y: warning: 1 shift/reduce conflict [-Wconflicts-sr]
student@ubuntu:~/compiler/hw$ flex compiler.l
student@ubuntu:~/compiler/hw$ ls
compiler.c  compiler.l  compiler.y  lex.yy.c  test1.c  test2.c  y.tab.c  y.tab.h
student@ubuntu:~/compiler/hw$ 
```

◆ test1

```
  1 int main(void)
  2 {
  3         printf("hello world\n");
  4         return 0;
  5 }
~
~
~
~
~
~
~
~
"test1.c" 5L, 56C                                                          1,1
```

```
student@ubuntu:~/compiler/hw$ ls
a.out  compiler.c  compiler.l  compiler.y  lex.yy.c  test1.c  test2.c  y.tab.c  y.tab.h
student@ubuntu:~/compiler/hw$ ./a.out test1.c

start syntax analysis
student@ubuntu:~/compiler/hw$ 
```

◆ test2

```
1 int main(void)
2 {
3         int h = 1;
4         printf("hehe %d\n", h)
5 }
```

```
"test2.c" 5L, 55C
```

```
student@ubuntu:~/compiler/hw$ ./a.out test2.c

start syntax analysis
line 5: syntax error near }
student@ubuntu:~/compiler/hw$
```

◆ test3

```
 1
 2 int main (void)
 3 {
 4         int i;
 5         int a = 0;
 6
 7         for (i = 0; i < 3; i++){
 8                 printf("this is test3\n");
 9         }
10
11         do{
12                 printf("a is %d\n", a++);
13         }
14         while(a<5);
15
16         return 0;
17 }
```

```
"test3.c" 17L, 162C written
```

```
student@ubuntu:~/compiler/hw$ ./a.out test3.c

start syntax analysis
student@ubuntu:~/compiler/hw$
```