

To run the project, just use the “make” and “make test”.

In the P2.java, My code runs for 5 files, which are allToken.in, Validtoken.in, Position\_test.in, eof.txt and Error\_input.txt .

Actually I didn't use allToken.in to test, this is just there for TA to use.

The Validtoken.in test all the valid input, and in Makefile I will diff the Validtoken.out and Validtoken.txt which is a correct output I write myself.

The Position\_test is very like Validtoken.in, but this is used to test if the line number and character number is right, the correct output is in file Position\_test.txt, which I use diff to compare.

eof.txt is just the unchanged one which will output:

```
1:1 ***ERROR*** unterminated string literal ignored
```

The Error\_input.txt is used to test if these incorrect token will output the correct warning or error, it will output:

```
1:1 ***ERROR*** illegal character ignored: @
1:4 ***ERROR*** illegal character ignored: ~
1:7 ***ERROR*** illegal character ignored: $
3:1 ***ERROR*** unterminated string literal ignored
4:1 ***ERROR*** string literal with bad escaped character ignored
5:1 ***ERROR*** unterminated string literal with bad escaped character ignored
6:1 ***ERROR*** unterminated string literal with bad escaped character ignored
9:1 ***ERROR*** illegal character ignored: 4123fbhoiqebf
10:1 ***ERROR*** unterminated string literal ignored
11:1 ***WARNING*** integer literal too large; using max value
```

for the input file Error\_input.txt

The correct answer for this is also in Error\_output.txt