

# Lab1 Report

Name: 王智伟

Student ID: 11710324

## Optional: Comments

I implemented the feature comments.

The main idea is match the comment part and ignore it. Then compiler will work as usual.

single line is easy, just match `//` and then ignore the else in the line

multi lines is more complex. we first need to find out `/*` to start match, then we need to match any word and `\r\n` to make it multi line, we need to match `*` which is not appear with `\`, at the end, we need to match the `*/` to stop.

After done these, we complete the comment feature

I have written 5 test cases in test-ex for testing, including multiple situation which might cause error. the 5 test cases are the same except they have a lot different comments. So if there output is the same, We can say it works correctly.