## **CS323 Project 1 Report**

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The bonus features that I have realized:

- comment (both single line and multiple line)
- for statement

## Comment

I use the function input() to implement the comment support of SPL.

The code is as below:

```
1 "//"
            {
 2
      char c;
 3
      while((c=input()) != '\n') {
           if (c == 0) {
 5
               processErrorA("unfinished comment");
 6
               break;
 7
           }
 8
       };
9
   "/*" {
10
      char c1, c2;
11
12
      c1 = input();
13
      c2 = input();
      while (c1 != '*' || c2 != '/') {
15
          c1 = c2;
           c2 = input();
16
           if (c2 == 0) {
17
18
               processErrorA("unclosed comment");
19
               break;
20
          }
21
        }
22 }
```

I introduced some simple error processing of comment, if multiple line comment does not close the comment correctly, it can report the error.

## for statement

l added for in the lexical analyser, and FOR LP EXPORNUIL SEMI EXP