Intro. To Compiler Design Proj2 Report 0416324 An – Fong Hwu

1.Part of Lex I have modified to make it interact with Yacc parser?

I have modified it to make lex scanner return what keyword and some other things required to be parsed.

2. What platform to run my parser

I use the Linux4 workstation to run my program, just SSH in it and run.

```
ssh afhwu0329@linux4.cs.nctu.edu.tw
afhwu0329@linux4.cs.nctu.edu.tw's password:
                                        CPU: Intel(R) Xeon(R) CPU X5675 @ 3.07GHz
MEM: 7988 MiB /tmp: 12K/4.0G
                                        Welcome to CS Linux Serivce!
                                        Open for all students and faculty
       Announcement of Computer Center, College of Computer Science, NCTU ]====
     Hostnames & IP Addresses of workstations :
                    : bsd1 ~ bsd6 (140.113.235.131 ~ 140.113.235.136)
alumni (140.113.235.116)
     FreeBSD
                    : linux1 ~ linux6 (140.113.235.151 ~ 140.113.235.156)
     Linux
 2. Useful Links:
         CCCS Duty Schedule < http://www.cs.nctu.edu.tw/schedule/>
         Frequently Asked Questions < http://www.cs.nctu.edu.tw/help/>
 For rights of other users, please don't occupy /tmp as yours,
please use (re)nice/taskset/cpuset to lower the priority of high-loading processes,
     and please use ipcrm to clear shared memory after using it.
  Disk Usage =====
                                                                           0% 0/100000 KB
 Mail:
                                                                           2% 6864/307200 KB
 Home:
  Process
  PID TTY
                        TIME CMD
                   00:00:00 tcsh
27380 pts/39
27386 pts/39
27463 pts/39
                   00:00:00 csShell
                   00:00:00 ps
  Information =
 Current Time: Tue Nov 21 15:15:51 CST 2017
 Online Users: 4
  CSCC Announce =
                                           CS Computer Center <help@cs.nctu.edu.tw>
And it successfully runs.
  There is no syntactic error!
 /**
    * statement.p: examples for each statement
    */
//&T-
statement;
  echo();
begin
        var s: string;
         read s;
print s;
                       // simple statement
// simple statement
  end
end echo
  funny(): boolean;
begin
         return 1<>1; // return statement
   end
end funny
  beain
         var a, b: real;
var i, k: integer;
         // simple statement
a := 1.0;
b := 2.3E-1;
          // compound statement
```

3. How to run my parser

var c: boolean;

Makefile as the picture, description are written in the comments

4. Ability of my parser

Able to parse all the all testcases by TA and run through my own testcases My own testcases--> https://pastebin.com/MZEvqiHW