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RAHUL RANJAN

Lab: Simple bison experiments, Extra class   Inbox   x

Compiler Design

to bcc: me

If you are coming for the extra class on Mon, 12:50, make sure that you run the following 9 simple experiments, and get the results. Otherwise, you won't be able to follow anything...

While noting the output:
- Check the output after EACH (1)-(9).
- Each time,
    - delete a.exe, lex.yy.c and y.tab.c, and
    - run flex, bison, gcc, a.exe
- Brush up how union of C-language behaves.

(0) Refer to the sample calc programs circulated earlier.

(1) Print the sizeof(yylval) in the 1st line of main in calc.y

(2) Add the following after the %token in calc.y
%union {
        int value;
        char name[100];
}
Note what (1) prints now.

(3) Add the following after the (2) above in calc.y
%type <value> expr

(4) Remove the { $$ = $1; } in production 2-c (expr: NUMBER)

(5) In calc.l, change the
yylval = atoi, TO