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(3) instead of (1), (2) you can remember the information and add to symbol table when the parsing reduces rule-4.

(4) when you encounter an identifier as part of an expression, e.g. in rule 63-a, you need to check if it is defined or not in the symbol table.

As you see, this is an open problem, and you can do the same thing in many ways...

In summary, at a high-level, you need to do 3 tasks:

(a) define a symbol table in your program. Ideally, it would be an array of struct. The struct will have at least FIVE members.

(b) write the symbol table functions (lookup, add, print, etc.)

(c) write appropriate logic in the action part of bison productions making use of above functions.

DUE DATE: Next Friday, 21.Feb.

\*\*\* 5 ways of declarations were mentioned. I suggest that you do in sequence.

\*\*\* Just because due date is 10-days away, don't wait till last moment. Start NOW! \*\*\*

Arun



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