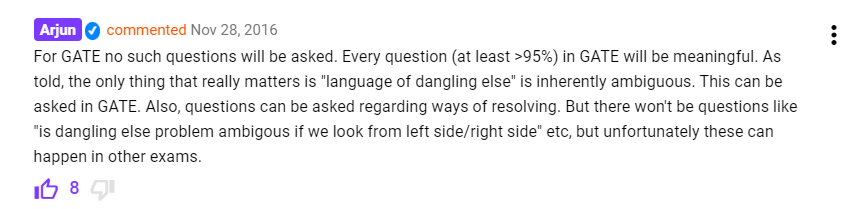
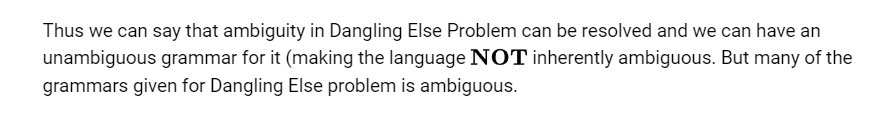
[compiler construction - Lexical and Semantic Errors in C - Stack Overflow](https://stackoverflow.com/questions/15570553/lexical-and-semantic-errors-in-c)

any one of heap and stack is enough to support recursion.  Dynamic allocation of activation records is essential to implement recursion. Remember the stack size can also grow dynamical (see C memory layout).

MUST MUST READ ABOUT AMBIGUITY, DCFL, Inherent ambiguity, LR(k): [Compiler Design: CAN Inherently ambiguous languages HAVE DETERMINISTIC CONTEXT FREE GRAMMARS? (gateoverflow.in)](https://gateoverflow.in/54718/inherently-ambiguous-languages-deterministic-context-grammars) and this comment too: <https://gateoverflow.in/54718/inherently-ambiguous-languages-deterministic-context-grammars?show=175871#c175871>





If a language is inherently ambiguous it can have no unambiguous grammar possible. Now, no DCFL is inherently ambiguous - any DCFL must have some unambiguous grammar.

[Compiler Design: GO Classes Test Series 2023 | Mock GATE | Test 2 | Question: 54 (gateoverflow.in)](https://gateoverflow.in/388654/go-classes-test-series-2023-mock-gate-test-2-question-54?show=392594#c392594)