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Stage 2: AST rules format

by [Vandana Agarwal](#) - Wednesday, 22 March 2023, 9:16 PM

The semantic rules for AST creation, due for submission this Sunday, are required in handwritten format only. However, the team's original grammar rules can be submitted in printed form for reference so as to avoid rewriting the grammar rules. This will need only the number of the grammar rule to be mentioned before the corresponding AST rules.

The format for AST rules can be as follows

4. { <write here traversal order>: < write all rules here>.....

.....

<write here traversal order>: < write all rules here>.....

.....

}

5.

Make sure the printed grammar rule numbers match with those of your handwritten semantic rules for AST creation. Use only the address attributes as discussed in the class. These could be inherited or synthesized. Use suffix `_inh` and `_syn` respectively for the attributes. An address could be in terms of the linked list, a node address or any other form of address.

The AST once coded and output by your semantic analyzer will be used as input for remaining tasks in the second stage later. Minor variations in the format of AST rules are acceptable provided the grammar rule number and evaluation orders are also mentioned correctly.

Please feel free to write to me if you have any questions.

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