**<https://github.com/AndreiG23/FLCD>**

**Grammar**

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**Grammar:**

* Nonterminals : list of nonterminals
* Terminals : list of terminals
* Start\_symbol : the starting nonterminal
* Productions : dictionary where every key is the left hand side and the value is a list tuples, each containing the right hand side and the index of the production; right hand side is represented as a list of symbols (e.g: S -> aSbS | aS | c becomes S -> [(['a', 'S', 'b', 'S'], 1), (['a', 'S'], 2), (['c'], 3)])

**Methods:**

* Read\_from\_file(filepath): initialized the grammar from a given file
* isCFG(): checks if the grammar is CFG
* getters