

## Lab 5 documentation

Link GitHub: <https://github.com/timoteicopaciu/LFCD/tree/main/Lab%2005>

Grammar
<ul style="list-style-type: none"><li>- nonTerminals: []</li><li>- terminals: []</li><li>- startSymbol: String</li><li>- productions: {}</li></ul>
<ul style="list-style-type: none"><li>+ readGrammar(filename:String)</li><li>+ print(x:String, nonterminal:String)</li></ul>

```
class Grammar:

def readGrammar(self, filename):
    """
    Read a Grammar from a file
    :param filename: string, the name of the name where Grammar is stored
    :preconditions: filename must to be a string, representing a file name
    :postconditions: the Grammar object's attributes will be completed
    :return: none
    """

def print(self, x, nonterminal = None):
    """
    Print some attributes of Grammar
    :param x: char, representing an option in order to know what to return
    :param nonterminal: string, a nonterminal, production starting from it
    will be printed, is optional
    :preconditions: x must be a string, x is from A = {'1', '2', '3', '4'}
    :postconditions: a string is returned, representing an attribute as a
    string, or '' if x is not in A
    :return: a string
    """
```