

CD Project ReadMe

Project Title : A New Programming Language for Data Structure Visualization

Dependencies to run this project:

1. Python Lex Yacc (PLY) - python library
2. Turtle - python graphics library

For Execution, run the following commands :

```
$ python backEnd.py
```

This file needs an input is the code which is taken from the file
'input_code.txt'

This project contains two files backEnd.py and frontEnd.py. In backEnd.py lexical analysis and parsing is done where frontEnd.py contains the turtle code of the visualizing the data structures and their operations that are called from backEnd.py. Errors, print statements are displayed in the terminal console itself. Files like parser.out and parsertab.py are generated by the yacc library included in the backEnd.py. This parsertab.py contains the productions of our grammar we used.