

Assignment 1

- For this assignment, I have used ply. The definition ahead is excerpted from <https://www.dabeaz.com/ply/ply.html>. *PLY is a pure-Python implementation of the popular compiler construction tools lex and yacc. The main goal of PLY is to stay fairly faithful to the way in which traditional lex/yacc tools work.*
- **INSTALLATION : pip3 install ply.** I have also used **collections** library from python3. Please use **pip3 install collections** to make sure the script runs.
- Make sure input file and lex.py are in same folder.
- command to run test1.java :

```
bash run.sh test1
```

Output will be stored in test1.out

- Code is present in **lex.py**.
- **ERROR HANDLING** if the file contains any errors, they will be printed at the end of csv file with erroneous lexeme and lineno mentioned. The complete table for all the correct tokens would be generated in all the cases and all the errors identified would be printed at the end.