READ ME

1. **LR_LF.py** file takes a grammar as an input and does Left Factoring and removes Left Recursion
2. **First_Follow.py** file finds the First and Follow sets of the grammar obtained from the above step.
3. **FirstFollow_Grammar1.pdf** and **FirstFollow_Grammar2.pdf** consists of the First and Follow sets of the corresponding Grammars along with the final grammars obtained after applying Left Factoring and removing Left Recursion for both the Grammars.
4. For the first Grammar you can directly give the input after compiling the **Grammar_1.py** file. To stop giving input type Exit.
5. **Grammar_1.py** file applies Predictive Parsing algorithm for 1st Grammar and gives whether the string is accepted or not.
6. **Grammar2.l** is a lex file which is our lexical analyser for generating tokens for the second Grammar. So, input for the 2nd Grammar **SampleInput_G2.txt** must be given here to generate the tokens.
7. **G2tokens.txt** consists of set of tokens obtained for the second Grammar after compiling **Grammar2.l**
8. **G2tokens.txt** file is now given as input to **Grammar_2.py** file which applies Predictive Parsing algorithm for 2nd Grammar and tells whether the program is accepted or not.