

Compiler Construction

Assignment # 02 – CFG Fine-tuning

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1. Manipulate the left factoring using the **C++ language only**,
 - a. **Input CFG** from a simple **text file** named “original_CFG.txt” using file handling.
 - b. Implement the left factoring of the input CFG where ever possible.
 - c. **Store** the fined-tuned CFG in another file named “left_factored_CFG.txt”
2. Manipulate the following using the **C++ language only**.
 - a. **Input CFG** from a simple **text file** named “original_CFG.txt” using file handling.
 - b. **Remove** the all possible **left recursion** in the input CFG.
 - c. **Store** the fine-tuned CFG in another file name “removed_left_recursion_CFG.txt”

NOTE:

There is a **zero-tolerance policy on plagiarized assignments**. I don't expect you to know everything. If you are unsure of something, look it up. Try and learn it. Just do your best with what you have been taught in class. If you have achieved what the assignment was supposed to test you on, then you did well. You don't have to follow the task instructions exactly the same way as they are written. Don't be afraid to be creative, but Don't lose sight of the objective.