**COMPILER DESIGN**

# **EXP 4(b) – ELIMINATION OF LEFT FACTORING FROM CFG**

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**CSE-BD Sec-I2**

**Aim:** To perform elimination of left factoring from context free grammar

# Language Used: Python

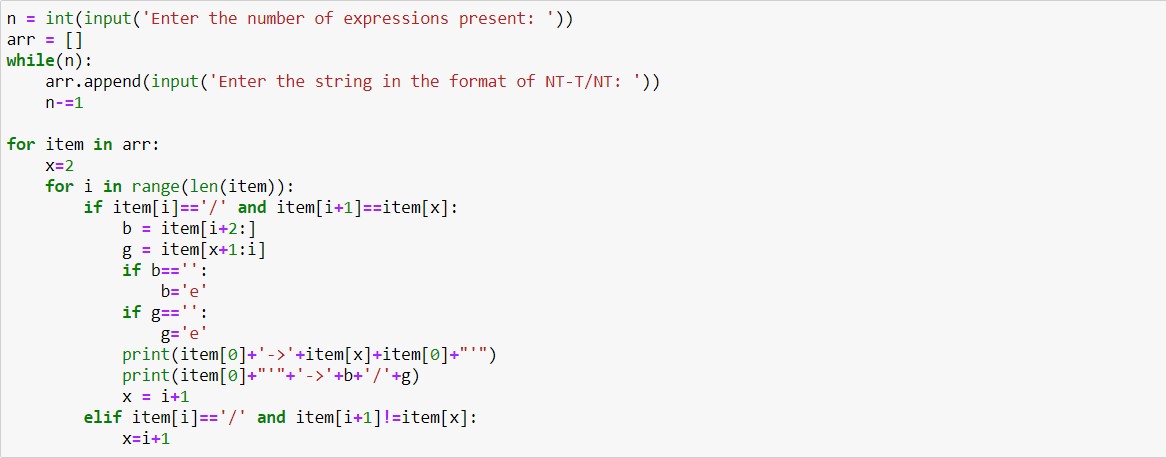
# Procedure:

1. Create a python file
2. Take in the input of statements present in the grammar
3. Remove left recursion present in the statements by following the rules If **A->xb |xg** (x = alpha, b = beta, g= gamma) is statement

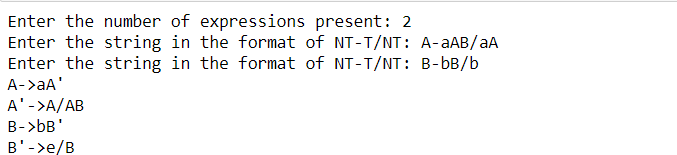
* A->xA’
* A’ = b|g (These both are the statements after removing left factoring)

1. Then print the statements after conversion.

**Code:**

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**Output :**



**Conclusion: Left factoring is being removed from the given CFG.**