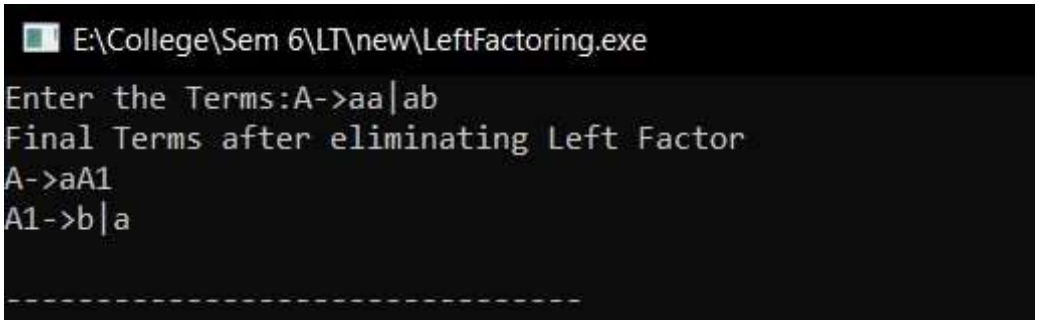
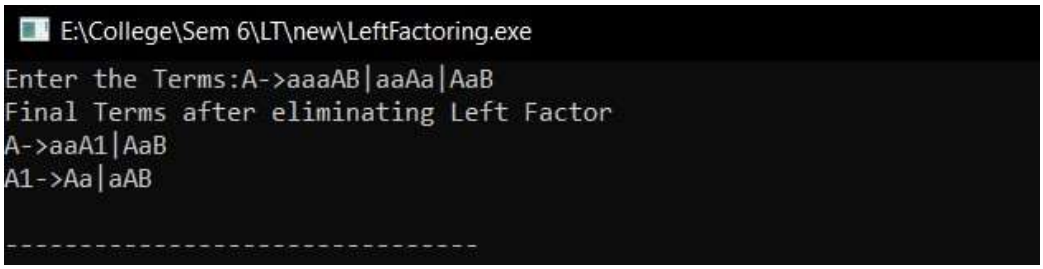
AIM: Program to Remove Left Factoring.

Output:

1. **A->aa|ab**
   A->aX
   X->a|b



2. **A->aaaAB|aaAa|AaB**
   A->aaX|AaB
   X->aAB|Aa



3. **A->aaaB|aaC|aD|h**
   A->aX|h
   X->aaB|aC|D // here we got indirect left factoring, therefore again we have to do

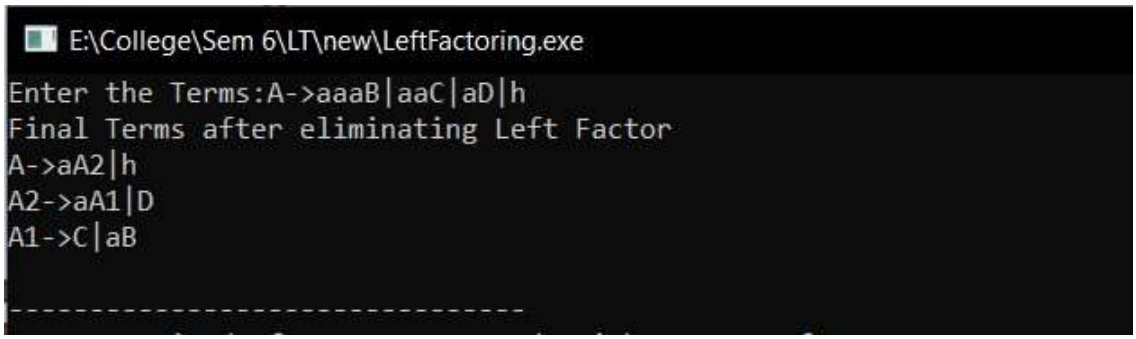
   X->aaB|aC|D
   X->aY|D
   Y->aB|C

Final

A->aX|h //in screenshot X = A2 & Y = A1

X->aY|D

Y->aB|C



4. **A->bAB|bBc|aAc|aB**

   A->bX|aAc|aB //indirect so, again doing

   X->AB|Bc

   A->bX|aAc|aB

   A->aY|bX

   Y->Ac|B

   Final:

   A->aY|bX //in screenshot X = A2 & Y = A1

   X->AB|Bc

   Y->Ac|B