Important Notes:

**Note-01:**

* ∈ may appear in the first function of a non-terminal.
* ∈ will never appear in the follow function of a non-terminal.

**Note-02:**

* Before calculating the first and follow functions, eliminate left recursionfrom the grammar, if present.

**Note-03:**

* We calculate the follow function of a non-terminal by looking where it is present on the RHS of a production rule.

Practice problems for FIRST and FOLLOW:

1. A → abc / def / ghi
2. S → aBDh  
   B → cC  
   C → bC / ∈  
   D → EF  
   E → g / ∈  
   F → f / ∈
3. S → A  
   A → aB / Ad  
   B → b  
   C → g
4. S → (L) / a  
   L → SL’

L’ → ,SL’ / ∈

1. S → AaAb / BbBa  
   A → ∈  
   B → ∈
2. S → ACB / CbB / Ba

A → da / BC

B → g / ∈

C → h / ∈