Regular Grammar has rules to generate String.

Contains 3 components:

1. Terminal symbol
2. Non-terminal symbol
3. Production rules

Given alphabet {a,b}

A -> aBa | aa

B-> bC | bb

C -> a

Regular grammar’s production rule can only have the following 3 forms:

A -> x

A -> B

A -> xB (Right Linear)

A -> Bx (Left Linear)

Example:

L = { x | x ends with 00}

A -> 0A | 1A | 00

L = {x | x only contains “0”s or “1”s}

A -> 0B | 1C

B -> 0B | epsilon

C -> 1C | epsilon

L = {x | x starts and end with 1}

A -> 1 B | 1

B -> 0B | 1B | 1