- @ Unrestricted Grammar!
- ⇒ A grammar G(CV, Z, S, P) is called unrestricted grammar if all productions are of the Following form:

0 > B

where, & must contain at least one non-terminal &, BECVUI)\*

Example! - let us consider a language L= {anbnen | n > of.

Here, language contains the string as L= { 2, abc, aabbcc, aaabbccc, ...

let G be the grammar defined as,

P

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S > FS1/8

SL > ABCSLIABC

CA > AC, BA - AB, CB - BC

FA>a, aA>aa, aB>ab, bB>bb, bE>bc, cC>cc

let us take a string(w) = agabbbccc

S>FSL

S > FABCSL SI > ABC

S > FABCABCSL SL > ABC

S> FABCABCABC L'SI > ABC

S> FAAABBBCCC - CA>AC, BA>AB, CB>BC

S> aAABBBCCC . FA>a

S > aaABBBCCC MAA >aa

S-> a aaBBBCCC : aA > aa

s > elaabbbccc : ab > ab

S > aaabbBccc : bB > bb

S > aaabbbccc : bB>bb

s > aaabbbccc : bc>bc

S > aaabbbccc -: cc>cc

S > anabbbecc : eC>cc