# **Assignment 24**

**WAP that will take grammar rules in the following format:**

**NT-> (NT|T)\***

**and will generate the following:**

**sentence(I,O):- noun phrase (I,R), verb phrase(R,O).**

**determinant([the|X],X):-!.**

sentence(I,O):- nounphrase(I,R),verbphrase(R,O).

nounphrase(NP,X):- article(NP,R),noun(R,X).

nounphrase(NP,X):- noun(NP,X).

verbphrase(VP,X):- verb(VP,R),nounphrase(R,X).

noun([man|X],X).

noun([dog|X],X).

verb([likes|X],X).

verb([bites|X],X).

article([the|X],X).

article([a|X],X).

**Output**





