1. Propose a grammar that would accept any word (English word). Use Greek letters to represent groups of characters making sure that you have a table that describes their meaning.
OR
Strings over {a, b, c, d}whose language is {anb2ncmd2m | n,m >= 0}

S -> A
A -> a | A B | (empty)
B -> bb | B C | (empty)
C -> c | C D | (empty)
D -> dd | (empty)

2. Derive the expression tree for (n + (n + (n+ n))), given the following grammar:

E -> T
E -> (E+E)
T -> n