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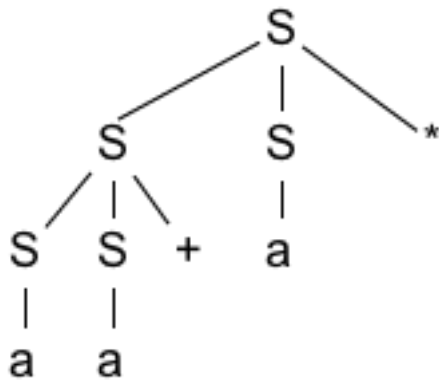
Consider the Context Free Grammar
S -> SS+ | SS* | a
a) Show how the string aa+a* can be generated by this grammar .
b) Construct a parse tree for this string.

c) What language is generated by this grammar .

Answer :
1. S -> S S * -> S S + S * -> a S + S * -> a a + S * -> a a + a *

2.
3. L = {Postfix expression consisting of digits, plus and multiple signs}