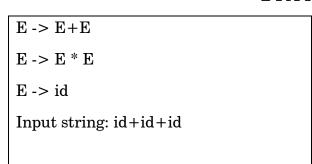
GRAMMAR



$$a+b = 535$$
 $a*b = 545$
 $(a) = 152$

Declare two character arrays str[],token[] and initialize integer variables a=0,b=0,c,d. Input the string from the user.

If str[a] = = '('then token[b] = '1', b++.If str[a] = = ')' then token[b] = '2', b++.If str[a] = = '+' then token[b] = '3', b++.

If (str[a] = = '*') then token[b] = '4', b++.

If(str[a] = = digit) then token[b] = '5', b++.

Print token[b]

while token[b] != NULL if

 $((token[b] = = '5') && (token[b+1] = = '3') && (token[b+2] = = '5')) \\ ((token[b] = = '5') && (token[b+1] = = '4') && (token[b+2] = = '5')) \\ ((token[b] = = '1') && (token[b+1] = = '5') && (token[b+2] = = '2')) \\ \end{aligned}$

Then token[b] = '5';

c = b+1;

while $token[c] != NULL \rightarrow token[c] = token[c+2], c++;$

else -> b++;

Compare if token == "5" then It is a Grammar

Else Not a Grammar