```
Test case 1

Enter the string to parsed :a+b*(a+b)
Enter filename for the set of production
test.txt

Input file test.txt:

E->E+E
E->a
E->E*E
E->(E)
E->b

Output:

----------BEGIN PARSING STEPS----------

        Shift a into stack
        Reduce by E->a
        Shift + into stack
        Shift b into stack
        Reduce by E->b
        Reduce by E->E+E
        Shift * into stack
        Shift ( into stack
        Shift a into stack
        Reduce by E->a
        Shift + into stack
        Shift b into stack
        Reduce by E->b
        Reduce by E->E+E
        Shift ) into stack
        Reduce by E->(E)
        Reduce by E->E*E

----------String Parsed Successfully-----------

Test case 2

Enter the string to parsed :a+b*(a/c)
Enter filename for the set of production
test.txt

Input file test.txt:

E->E+E
E->a
E->E*E
E->(E)
E->b

----------BEGIN PARSING STEPS----------

        Shift a into stack
        Reduce by E->a
        Shift + into stack
        Shift b into stack
        Reduce by E->b
        Reduce by E->E+E
        Shift * into stack
        Shift ( into stack
        Shift a into stack
        Reduce by E->a
        Shift / into stack
        Shift c into stack
        Shift ) into stack


The string does not belong the the grammar...
```