Recursive Descent Parser for Arithmetic Expressions

Grammar Productions

First Token Set

<expr> → <term> {(+ -) <term> }</term></term></expr>	{ (, ID, INTLIT }
<term> → <factor> {(* /) <factor> }</factor></factor></term>	{ (, ID, INTLIT }
<factor> → ID INTLIT (<expr>)</expr></factor>	{ (, ID, INTLIT }

Note: Symbols shown in red are EBNF symbols, not actual symbols expected.

Error Conditions Detected

Syntax error: displays an appropriate error message and quits execution