Grammar:

E->T E'

T->F T'

F->(E)|id

E'->+ T E'|#

T'->* F T'|#

Parsing Table:

Input 1:

String: x + y * z

Tokenized input: id + id * id

Output 1:

```
Parsing:
Current Input
                 Current Stacktop
                                           Next Action
id
                 Ε
                                           E-> T E'
id
                                           T-> F T'
id
                 F
                                           F-> id
                 id
id
                                           Match
                 т'
                                           T'-> #
                 Ε'
                                           E'-> + T E'
                                           Match
id
id
                                           T-> F T'
                                           F-> id
                 id
id
                                           Match
                                           T'-> * F T'
                                           Match
id
                                           F-> id
id
                 id
                                           Match
                 т'
                                           T'->#
                 Ε'
                                           E'-> #
Accepted
```

Input 2:

String: x + (y * z)

Tokenized input: id + (id * id

Output 2:

```
Parsing:
Current Input
                Current Stacktop
                                          Next Action
                                          E-> T E'
id
                Ε
id
id
                                          F-> id
id
                id
                                          Match
                т'
                                          T'-> #
                Ε'
                                          E'-> + T E'
                                          Match
                F
                                          F-> ( E )
                (
E
                                          Match
ìd
id
id
                                          F-> id
id
                id
                                          Match
                                          Match
id
                                          F-> id
id
                id
                                          Match
                                          T'-> #
                Ε'
                                          E'-> #
Not Accepted
Some syntax error has occured near word number 7
```

Input 3:

String: x + (y *(-z))

Tokenized input: id + (id * (error id))

Output 3:

```
Parsing:
Current Input Current Stacktop
                                        Next Action
id
                                        E-> T E'
                Ε
id
                                        T-> F T'
id
                                        F-> id
                id
id
                                        Match
                                        T'-> #
                Ε'
                                        E'-> + T E'
                                        Match
                                        F-> ( E )
                                        Match
ìd
                                        E-> T E'
id
id
                F
                                        F-> id
               id
id
                                        Match
                                        Match
                                        Match
Not Accepted
Encountered lexical error
```