**OUTPUT:**

The following is the predictive parsing table for the following grammar:

S->A

A->Bb

A->Cd

B->aB

B->@

C->Cc

C->@

Predictive parsing table is

--------------------------------------------------------

a b c d $

--------------------------------------------------------

S S->A S->A S->A S->A

--------------------------------------------------------

A A->Bb A->Bb A->Cd A->Cd

--------------------------------------------------------

B B->aB B->@ B->@ B->@

--------------------------------------------------------

C C->@ C->@ C->@

--------------------------------------------------------

**OUTPUT:**

GRAMMAR is E->E+E

E->E\*E

E->(E)

E->id enter input string

id+id\*id+id

stack input action

$id +id\*id+id$ SHIFT->id

$E +id\*id+id$ REDUCE TO E

$E+ id\*id+id$ SHIFT->symbols

$E+id \*id+id$ SHIFT->id

$E+E \*id+id$ REDUCE TO E

$E \*id+id$ REDUCE TO E

$E\* id+id$ SHIFT->symbols

$E\*id +id$ SHIFT->id

$E\*E +id$ REDUCE TO E

$E +id$ REDUCE TO E

$E+ id$ SHIFT->symbols

$E+id $ SHIFT->id

$E+E $ REDUCE TO E

$E $ REDUCE TO E

**OUTPUT:**

E + T

E \* T

E ( T

E ) F

E i T

E $ F

F + F

F \* F

F ( T

F ) F

F i T

F $ F

T + F

T \* T

T ( T

T ) F

T i T

T $ F

E -> + \* ( i

F -> ( i

T -> \*(

**OUTPUT:**

Enter any String :- a+b\*c

0 a+b\*c

0a5 +b\*c

0F3 +b\*c

0T2 +b\*c

0E1 +b\*c

0E1+6 b\*c

0E1+6b5 \*c

0E1+6F3 \*c

0E1+6T9 \*c

0E1+6T9\*7 c

0E1+6T9\*7c5

**OUTPUT:**

Enter the expression :: 245\*+

The result of expression 245\*+ = 22