```
akhil@Ubuntu:~/Compiler-Lab/8)Shift Reduce Parser$ gcc shift.c
akhil@Ubuntu:~/Compiler-Lab/8)Shift Reduce Parser$ ./a.out
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 Eakhil@Ubuntu:~/Compiler-Lab/8)Shift Reduce Par
akhil@Ubuntu:~/Compiler-Lab/8)Shift Reduce Parser$
```