## EXPERIMENT 11

```
AIM
```

Construct Shift Reduce Porser for given briguage.

```
PROGRAM
#holnde <stdio. h>
# Enclude < strang. h>
Int k=0, Z=0, i=0, j=0, c=0;
chor a (16], ac (20], stk (15), ad 10];
vad check;
reid main c) }
   Privité (Gramman
E 7 EtF E DE « E E D (E) E D H (h'));
    buntl (, Enter 3-layed)
     struy (at , "shift");
     printf ("stailf ingett action");
     for ( k > 0, i = 0) j < F; k+1, i+1 j+1) {
           if (a(j) == 1 99 a(j+1) ==d)
                  5tk [i] =a[i];
                 stk (it1] = alv ti];
                  Stk[1+2] =10%
                  e(j) =1 1
                   af j'11' = 11
                 . poshtfl stk, a, aut)
```

}
else {
 stkli7 zalj]
 otkli7 = 10'
 al)].

```
chick ()
 bamtt (/u1);
roid check () ?
   stryy (ac , REDUE TOE);
   for (220 ) ZKL / Z+t)
         并合作(日] ==1 qq stk[z+1]==2)2
              stk [2] = 6 1
              stx [2+1] = 110';
              printf (stk, a, ac);
          j:++;
   1 Replicate the same for E+ E, E+ E and (E)
```

## OUT PUT

GRAMMON is 57E+F

E>EXE

E>id

Enter input strong it it it it it it it it is action.

Stack input action.

Shift symbol

it it j + (10+k) shift symbol

it it j + (10+k)

\$ i+i+j+(10+k) \$

(Hence accepted):

{ ±, ⊁, = | 11<u>\*</u>

More Calabate