

```
j = 10p;
  printj ("7.8 | t %8 | t Reduce E+T to E In", St, a);
  check();
if ( st[j] = = 'T) {
   St [j] = 'E';
   print (" 1/8 It 1/8 It Reduce The E In", st, a);
   check();
[(st[j] == 'F' & st[j-1] == '*'. & st[j-2] == 'T'){
   bt [j] = '';
   bt [j-1]=";
   top = top -2;
   i = top;
   printj ("% st % blt Reduce T* F to This, st, a);
   checkes;
(stij] = = 'F') {
    St[j] = 'T';
    pount d (' % s It % s It Reduce F to Tin", st, a);
    check();
if ( st[j] == 'C' & & st[j-1] == 'E' & & st[j-2] == 'C')
     bt[j] = ' ';
     st[j-1] = ';
     bt[j-2] = 'E'.
     10p = top - 2
```

```
j = 10p;
  print { (" % s)t % s)t Reduce id to F(n", st, a);
  check();
  oreturn;
void main () ?
 point ( "Enter the expression in");
   gets(a);
   len = stren(a);
   prints ("STACK It EXP It ACTION In");
   Jali=0; iz len; E++) }
        if (a[i] == 'i' & & a [i+1] == 'd') {
            6+(++top] = "1";
            St [++top] = 'd';
            a[i] : ';
             a[i+1] = 1;
              i++;
              print ( "7.8 | + 7.8 | t SMIFT In ", st, a);
              checker;
              (on time;
         3
        use 3
             St[++ top] = a[i];
              a(i) = ' ';
              prints (" 1/25 lt 1/3 lt SHIFT In", St, a);
             check();
           actuan;
```

OUTPUT:

Enter the expression . id + id + id

STACK	EXP	ACTION
id	+id *id	SHIFT
F	+"d * id	REDUCE id to F
T	+id +id	REDUCE F TO T
E	+ id * id	REDUCE T TO E
Et	id * id	SHIFT
E+id	*id	SHIFT
E+ F	* id	REDUCE ID & F
e+T	* id	REDUCE F 10 T
E+T	* id	DO NOTIREDUCE EXT 10 G
E+T*	1d	SHIFT
		SHIFT
E+T*id		REDUCE ID 10 F
E+T *F		
E+ T		REDUCE T*F 70T
er i		PEDUCE ETT DE
E		