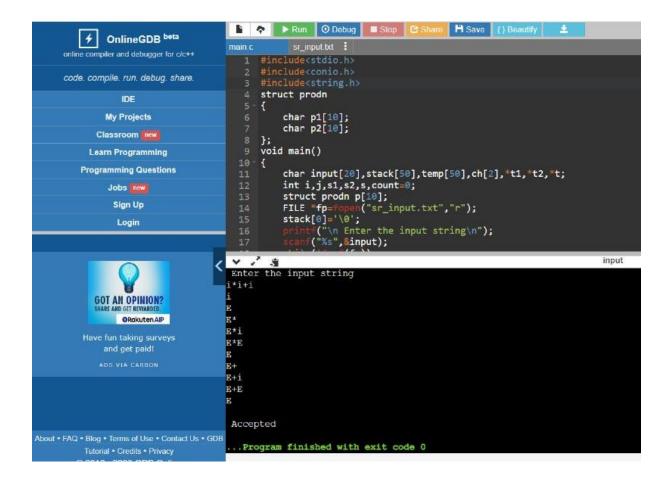
EXPERIMENT - 7 SHIFT REDUSE PARSING AM: To implement a program for shift Reduce paresing Algorithm: guilt Reduce porser requires two data 87 metros - Input Buffin - stack Steps: 1 Invent & at buttom of Stack 2 night and a input string in input Buffu. + suft parser stufts new or replace more input exambols, onto the stack until the soulle is on top sack. a Reduce & parson or replace the handle on top a stack to left side or praduction. \$100pt step 3 2 step 4 will be repeated until it has ditected and error on until the starte includes start symbol (3) and input Buffer is empty ie it contain \$. PEDGEAM C # include < st dio. h> # include < conio. h> # include < string. 4> Struct produ & char R[10]; Chan P2 [10]; 4; void main ()

```
input [20], stack [50], temp [50], ch [2],
char
      *t1, *t, , *t;
int 1, 1, 3, 52, 5, courd =0;
 gemet produ p[10]:
FILE *fp = fopen ("sr-inprd. Fent "; "):
 stack [0] = 1/01.
pintl ("In Enter the input string In");
scart ("1.5", Ainput);
while (! foet (fp))
  { 1 scant (+p, +1.15 10", temp );
     ti = Str+ok (temp, "),
      to = Strit ok (bomp ; " ~");
    stropy ( P[count]. Pisti);
   stropy ( P[count] 'Pz; tz);
     count ++ ; 4
 120;
 while (1)
 { if ( iz strlen (input))
  { ch[0] = input [i]; ch[i] = '10'; i++;
     Streat (Strack, ch);
    printf ("1.5/n", stack);
 for ( j= 0 ; j < count ; j++)
 { + = Strstr(Stack, P[j]. P2];
 if (+1 = NULL)
 { 31 = Streen (Stock); 31 = Storten(t);
     3 = 51-32;
```



output: Input file:	imput ten	
\$ 12 *i \$ \in * \$ \in *	input d + id \$ 1 + id \$ 1 + id \$	action Shift - id Sidnce to 8 Shift enoughly
$$ \in *$ $$ \in $	+ 1 1 5 + 1 1 1 5 + 1 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Prift sid Reduce to E Shrift a symbols Shrift a symbols Reduce to E Reduce to E

strick [SJ = '10'; Streat (Stack, P[j]. P]);

printf ("1.5 \n", stack); j = -1;

yy H(Stromp(Stack, "E") == 0 && i == Strlen (inpol) # ? printf ("In Accepted "); break; 4 if (i= = streen (input)) ¿ (" befored 400") Himing & Jonak; y RESULT: Hence shift oudice parsing is above program.