```
DATE 22-12-2021
```

## EXPERIMENT 10

```
Constant a recursive descent porser for an expersession.
AIM
PROGRAM
#Include xstdio, b>
#holade < ctype.h>
# include Kstring. h>
Void Tpome ();
int mais () ?
    pount = 0!
    fbg = 0;
    print+ C' Vinter on Algebraic Expression").
    Scanf ("olos", expression);
    EU;
     of ((stoken (expression) = = count) ff(lag := 9) }
           print of ("The Expression % is valid in, expression);
           pointf ("In the exposession % sis involid In", exposession);
                                          · Tpoime L) {
                                             if Cexpression [counf]== '+ '){
                       rovel TC) }
 void EC) 3
                            check ();
                                                    Count It;
     TC)
                                                    check Wi
                            Tprainel);
      Epaine ();
                                                    Tpoine ();
 }
  0
   roid check C)2
     if (15 al nam (express ion [comt))
            if (expression [count] == 1(1) }
             comtte; EL); if exp (==1)'); else stag=1;
            flag = 1;
```

```
roid Eprine() {

if (expression [cont] == 1+1) {

Cont tt;

T();

Eprine();

}
```

OUTPUT

Enter an Algebrane Expression: i+ i+i

The Expression i+ i+i vis valid

Enter on Algebraic Exponession i'+ Ci+i)
The exposession i'+ Ci+i) is valid.

Wyst,

. . . . . .

Ĺ

Charles and the second

the offered was

Mars to silve it was