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Assignment -3.	Date. 23(11/22.
write a c program to implement for the Predictive	Parser
(non Recursive Descentainer) for the given grammer	
# include < St dio. h>	
# include (convo.N)	
# molude coppe. N	
Ex define int 1	
# define mulop 2	_
# define addop3	_
# define openpoir 4	_
# define closepar5	
# define site 50	
int to hen	
rnt E();	
Char Exbuff [site];	
int lookahead = 0:	
rn+ lexer() &.	
if (lexhulf [loo kahead]!='lo') &	
while [lex buff [Lookahead] == 1\t' 11 lex buff	[(codahead] == ')
Cookahead ++;	
if Cisalpha Clexbuff [lookahead])	
a he (is abrum (lenbutt [lookahead]))	
Cookahead ++;	
Ceokaheadi	
rehundi	
7.	

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```
else if (isdigit Clerbuff Clook whead))) &
   while (is digit (lexbuff [lookahead]))
        lookaheadtti
     (cokalend -- i
     rehun 1d;
else if (lexbuff Clookahend] == '+')
 retur addep;
 else if (cerbuff[lookahead] == '*')
  rehus mulos;
  else if ( cerbuff [lookahead] == 1(1)
  schur open pari
  else of ( cerbust [ Cookahead] == ')')
   rehuncosepa;
   refus -1;
out FOS
    foka= Lexells
     I'I (token ==id) of
        Look ahead ++i
        rehun !
    else if (fokan == open par) &
      (ookahead + +;
```

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if (Ec1) & token = le xex (); of (foker== closepas) { 1 oo kahead ++; return li xehuno; else reherr O, else netwood. 3. int TPRIME() & token = Lexu(); 18 (Aokon = = mulop) & (oo kahead++; 12 (P()) \$ if (TPRIMEU) repur 1; else return 0,

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ele rehuro;	
verius o;	
else	
zehun 1;	
4	
ANT T() S	
ir(F())\$	
ICCTPRIME())	
rehun I;	
else	
rehuno:	
3	
rehur 0; 3	
int & PRIME() &	
fokenzlerenc);	
if (to ken = = addep) &	
(ookahead ++;	
12 (T(1)S	
IPCEPPIME(1)	
rehun!	
rehuno; 3	
rehuno; 3	
repun 1;	
9.	
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int E()&
14 (T(1)8
if (Eprineci)
return 1; 3
return 0; 3
rehuno; 3
INt parseil) &
rf(E(1) S
of (lexbuff (lookahead) = = 10')
printf(" ralid strong");
else
puntf("Invaled Strong "); 3
else
perintf ("Invalid Shunga);
get-cheli
rehun 0;
3.
internation () f
punt f(a In Recursive descent parsing for the following grammar Im)
Numbeloin Ex TEINE +TEILEINT FT (NT - XFTIENTS
puntfl" nenter the strong to be checked "1. (E) (±o\n").
man centili
gek (lex buff); parserch; rehuno;
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Dulpus

Recursine descens paving for the following growing

E > TE'

E' > TTE'/@

T -> X FI/@

F -> (E)/ID

Ever he volid (I-ving to be checked: A volid.