

EXPERIMENT 10

AIM

Implement Recursive Descent Parser using C

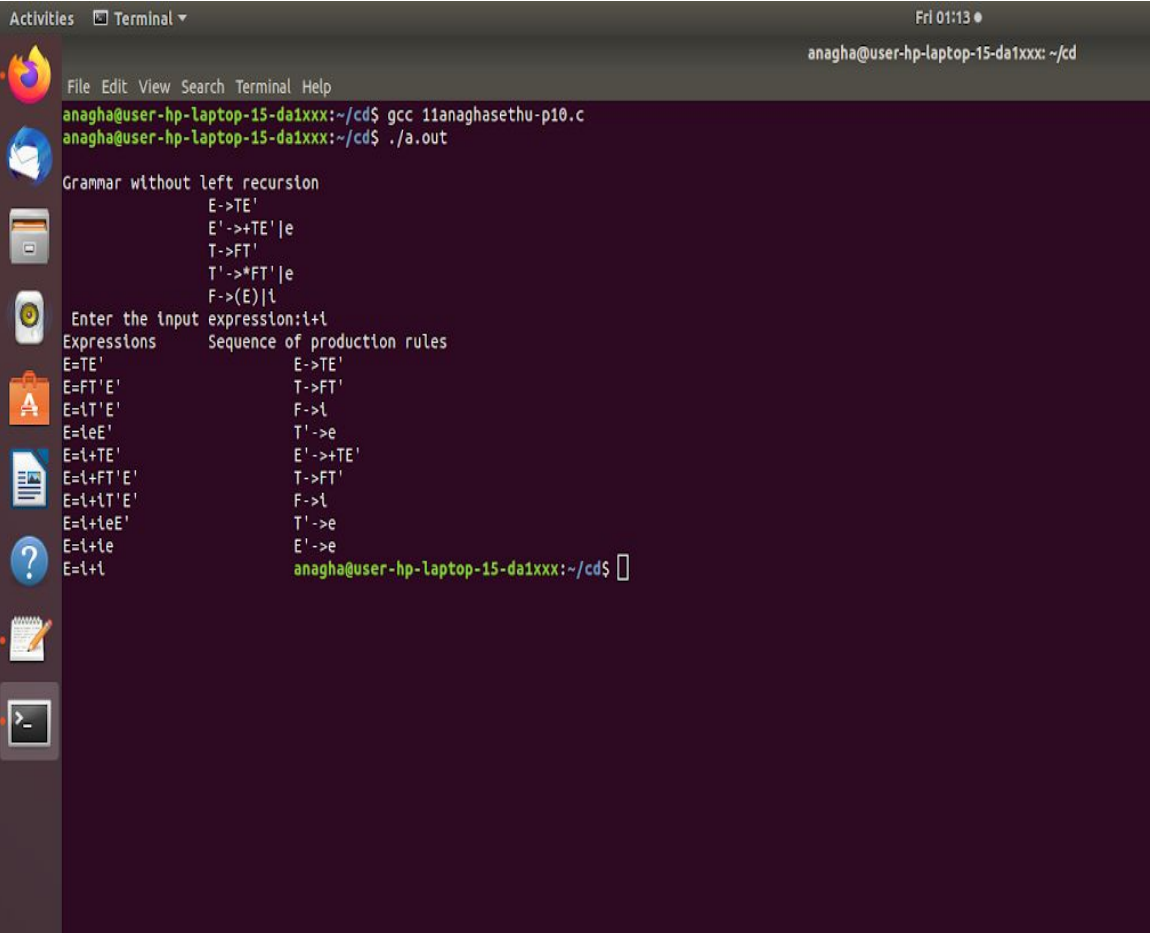
ALGORITHM

1. Start
2. Input the expression
3. Grammar without left recursion is added to the program
4. The grammar which had been given already is substituted with the right productions until the input expression is developed.
5. Stop

OUTPUT

```
gcc 11anaghasethu-p10.c
```

```
./a.out
```



```
anagha@user-hp-laptop-15-da1xxx:~/cd$ gcc 11anaghasethu-p10.c
anagha@user-hp-laptop-15-da1xxx:~/cd$ ./a.out

Grammar without left recursion
      E->TE'
      E' ->+TE' | e
      T->FT'
      T' ->*FT' | e
      F->(E) | l

Enter the input expression:i+l
Expressions      Sequence of production rules
E=TE'            E->TE'
E=FT'E'          T->FT'
E=lT'E'          F->l
E=leE'           T' ->e
E=l+TE'          E' ->+TE'
E=l+FT'E'        T->FT'
E=l+lT'E'        F->l
E=l+lE'E'        T' ->e
E=l+lE           E' ->e
E=l+l            anagha@user-hp-laptop-15-da1xxx:~/cd$
```