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/****** This file can be found in ~fredh/class/423/text/Chap-B2/example2/trans.y *****/
/****** Information to generate LALR parser function "yyparse()" *****/
/****** using "yacc". The grammar that generates the language *****/
/****** has the following productions: *****/
/* E --> Prefix(E) */
/* E --> V Tail */
/* Prefix --> F */
/* Prefix --> ( empty ) */
/* Tail --> + V */
/* Tail --> ( empty ) */
/* To create the function, "yyparse()" for this grammar, use the following commands: */
/* yacc trans.y which produces y.tab.c */
/* yacc -v trans.y which produces y.tab.c and y.output */
/****** *****/

%{
#include "stdio.h"
#include <ctype.h>

%}

%union {
    int ival;
}

%token <ival> LPARENTok
%token <ival> RPARENTok
%token <ival> PLUSok
%token <ival> Ftok
%token <ival> Vtok
%token <ival> ERRORtok

%%
/* ***** productions, actions */
E      : Prefix LPARENTok E RPARENTok
        { printf(" E --> Prefix(E)\n"); }
      | Vtok Tail
        { printf(" E --> V Tail\n"); }

Prefix : Ftok
        { printf(" Prefix --> F\n"); }
      | PLUSok Vtok
        { printf(" Prefix --> (empty)\n"); }

Tail   : PLUSok Vtok
        { printf(" Tail --> +V\n"); }
      | ERRORtok
        { printf(" Tail --> (empty)\n"); }

%%
```