[2CEIT701: COMPILER DESIGN]

AIM - Write a Lex program to validate the variable declaration statement using Lex and YACC.

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Practical-6

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CODE:

LEX FILE
```
%{
#include "y.tab.h"
%} %%
int|float|char {return (DT); } ";"
{return (SC); }
"," {return (COMMA); }
[a-zA-Z_][a-zA-Z0-9]* {return (ID); }
"\n" {return (NL); }
%%
```
YACC FILE

```
%{
%}
%token DT SC NL COMMA ID
%name parse

%%
start:S { printf("Valid Declaration\n"); return 0; }


S:DT VL SC NL
VL:VL COMMA ID
 |ID
;
```

```
%%
int main(){
yyparse();
return 0; }
yyerror(char *s){ printf("error
: %s " ,s);
}
```

OUTPUT