# Practical - 6

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

**Program:**

**1) Yacc File**

%{

#include<stdio.h>

%}

%token ID DT SC COMMA

%%

start:DT varlist SC {printf("valid");}

|

varlist:varlist COMMA ID|ID;

%%

void yyerror(const char \*str)

{printf("error");}

int yywrap(){ return 0;

}

main(){ yyparse();

}

**2) Lex File**

%{

#include<stdio.h>

#include "y.tab.h"

%}

%%

int|float|char { return DT; }

"," { return COMMA; }

";" { return SC; }

[a-zA-Z]+[a-zA-Z0-9]\* { return ID; }

[ \t\n]+ { /\* Ignore whitespace \*/ }

. { printf("Invalid character\n"); }

%%

**Output:**

