**Language Translator Project**

**GCD, LCM, Reverse, Square root**

Group Member:

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**Aim:** Using Flex tool generate Scanner phase for language.

• Generate Scanner using FLEX, which can identify our language, and display appropriate messages on recognizing them.

**• Flex Code:**

%{

#include<stdio.h>

%}

keyword "what"|"is"|"of"|"and"

op "gcd"|"lcm"|"reverce"|"sqrt"

digit [0-9]

integer {digit}+

eoq "?"

%%

{keyword} { printf("%10s : keyword\n",yytext);}

{op} { printf("%10s : oprator\n",yytext);}

{digit} { printf("%10s : digit\n",yytext);}

{integer} { printf("%10s : integer\n",yytext);}

{eoq} { printf("%10s : enf of question\n",yytext);return 0;}

" " {}

. { printf("%10s : invalid\n",yytext);}

%%

int yywrap(){}

int main()

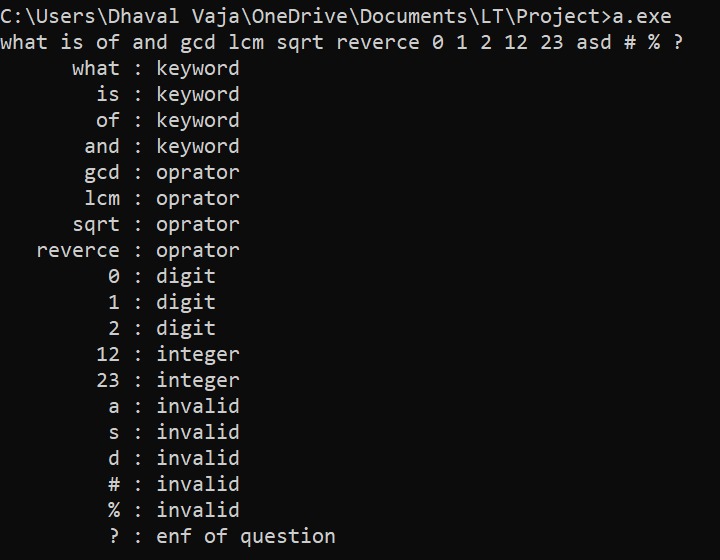
{

yylex();

return 0;

}

**• Output:**

****