Write a LEX program to recognise numbers and words in a statement.

**Program: (numbers\_words.l)**

%%

[\t ]+ ;

[0-9]+|[0-9]\*\.[0-9]+ { printf("\n%s is NUMBER", yytext);}

#.\* { printf("\n%s is COMMENT", yytext);}

[a-zA-Z]+ { printf("\n%s is WORD", yytext);}

\n { ECHO;}

%%

int main()

{

while( yylex());

}

int yywrap( )

{

return 1;

}

**Output:**

G:\lex>flex numbers\_words.l

G:\lex>gcc lex.yy.c

G:\lex>a.exe

saveetha

saveetha is WORD

