40. Write a LEX program to recognize a word and relational operator.

```
%{
#include <stdio.h>
%}

%%
[[:alpha:]]+    { printf("Word: %s\n", yytext); }
[><]=?        { printf("Relational Operator: %s\n", yytext); }
.             ; /* Ignore any other characters */
%%

int main() {
    yylex();
    return 0;
}
int yywrap()
{
return 1;
}
```

```
Microsoft Windows [Version 10.0.22631.3155]
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C:\Users\hp>d:

D:\>set path=%path%;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\GnuWin32\bin;

D:\>flex 40.l

D:\>gcc lex.yy.c
C:\Users\hp\AppData\Local\Temp\ccn8BnjL.o:lex.yy.c:(.text+0x3f2): undefined reference to 'yywrap'
C:\Users\hp\AppData\Local\Temp\ccn8BnjL.o:lex.yy.c:(.text+0xca1): undefined reference to 'yywrap'
collect2.exe: error: ld returned 1 exit status

D:\>gcc lex.yy.c
C:\Users\hp\AppData\Local\Temp\ccD7rvYg.o:lex.yy.c:(.text+0x3f2): undefined reference to 'yywrap'
C:\Users\hp\AppData\Local\Temp\ccD7rvYg.o:lex.yy.c:(.text+0xca1): undefined reference to 'yywrap'
collect2.exe: error: ld returned 1 exit status

D:\>flex 40.l

D:\>gcc lex.yy.c

D:\>a.exe
<= less_than_or_equal_to
Relational Operator: <=
Word: less
Word: than
Word: or
Word: equal
Word: to
```