

ÖRNEK 2:Aşağıdaki LEX girişini inceleyiniz.

```
%{
/*
1.Request input of an even and an odd number
2.indicate input characteristic : Even/Odd [digit_length]
3.check for input's correctness and print result
*/

#include<stdlib.h>
#include<stdio.h>

int number_1;
int number_2;
}%

number_sequence [0-9]*

%%

{number_sequence}[0|2|4|6|8]      {
                                printf("Even number [%d]",yyleng);
                                return atoi(yytext);
                                }

{number_sequence}[1|3|5|7|9]      {
                                printf("Odd number [%d]",yyleng);
                                return atoi(yytext);
                                }

%%

int yywrap
{
    return 1;
}

int main()
{
    printf("\nInput an even number and an odd number\n");
    number_1 = yylex();
    number_2 = yylex();
    int diff = number_1 - number_2;
    if(diff%2!=0)
        printf("\nYour inputs were checked for correctness,
\nResult : Correct\n");
    else
        printf("\nYour inputs were checked for correctness,
\nResult : You do not know how to read\n");

    return 1;
}
```