LEX lab

Github url:

https://github.com/Akitektuo/University/tree/master/3rd%20year/FLCT/lab/Lab9

compile.sh

```
flex specif.lxi
gcc lex.yy.c -o exe -ll
./exe < inputFiles/p1.txt > outputFiles/output.txt
cat outputFiles/output.txt
```

specif.lxi

```
응 {
#include <stdio.h>
#include <string.h>
int lines = 0;
응 }
%option noyywrap
%option caseless
RESERVED
\b("int"|bool|string|input|print|when|otherwise|in|while|each)\b
              \b(false|true)\b
BOOL
              \"(\\\"|[^\"])*\"
STRING
NUMBER
              b(0|([+\-]?[1-9]\d*))b
CONST
              {NUMBER} | {BOOL} | {STRING}
                     [a-zA-Z][0-9a-zA-Z]*
ΤD
OPERATOR
|"!="|"<="|"<"|">="|">"|"!"|"&="|"\||="|"&"|"\||"
SEPARATOR
         [()}{\]\["]
응응
{RESERVED} {printf("Reserved: %s\n", yytext); }
{CONST}
              {printf( "Constant: %s\n", yytext ); }
{ID}
              {printf( "Identifier: %s\n", yytext); }
```

```
{OPERATOR} {printf( "Operator: %s\n", yytext); }

{SEPARATOR} {printf( "Separator: %s\n", yytext); }

[ \t]+ {}
[\n]+ {lines++;}

%%
```