

Experiment -25

Develop a lexical Analyzer to add line spaces using lexical program.

Program:

```
%{

#include <stdio.h>

int lineno = 1;

%}

\n      { printf("\n%3d ", ++lineno); }

.      { ECHO; }

%%

int yywrap() { return 1; }

int main() {

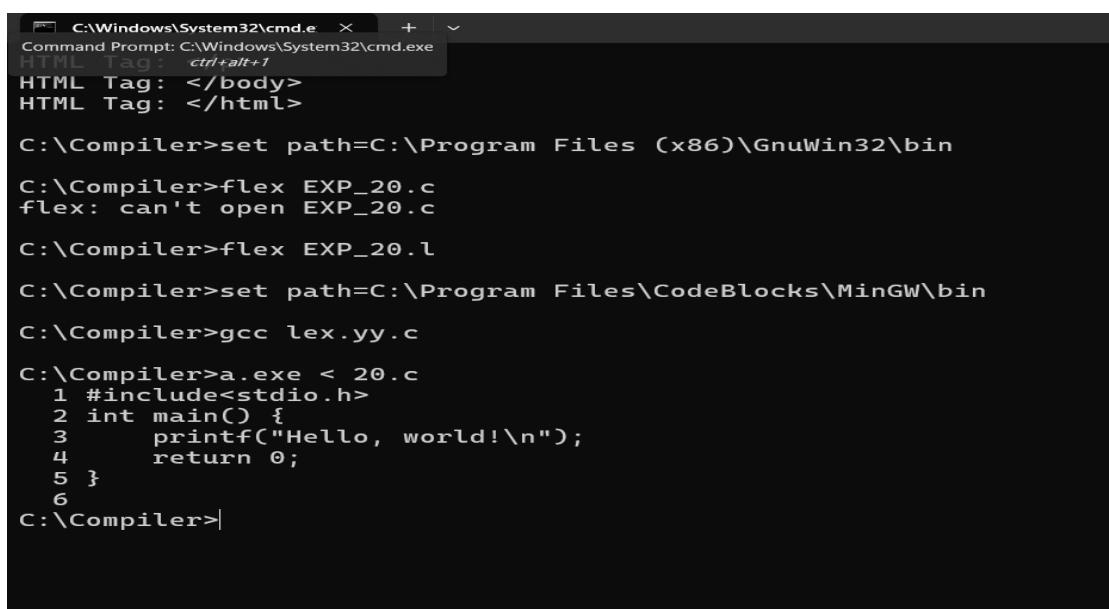
printf("%3d ", lineno);

yylex();

return 0;

}
```

Output:



The screenshot shows a Windows Command Prompt window titled 'C:\Windows\System32\cmd.e'. The command line shows the following steps:

- 'flex EXP_20.c' is run, but 'flex' cannot find the file 'EXP_20.c'.
- 'flex EXP_20.l' is run successfully.
- 'set path=C:\Program Files (x86)\GnuWin32\bin' is used to set the path for the compiler.
- 'gcc lex.yy.c' is run to compile the lexical analyzer code.
- 'a.exe < 20.c' is run to execute the program, which prints 'Hello, world!\n' followed by line numbers 1 through 6.