

EXP 30-Positive Negative Number

Aim: To write a lexical programming language for finding positive or negative number.

Code:

```
%{

#include <stdio.h>

%}

%option noyywrap

%%

[0-9]+      { printf("POSITIVE NUMBER\n"); }

-[0-9]+     { printf("NEGATIVE NUMBER\n"); }

.           { /* ignore */ }

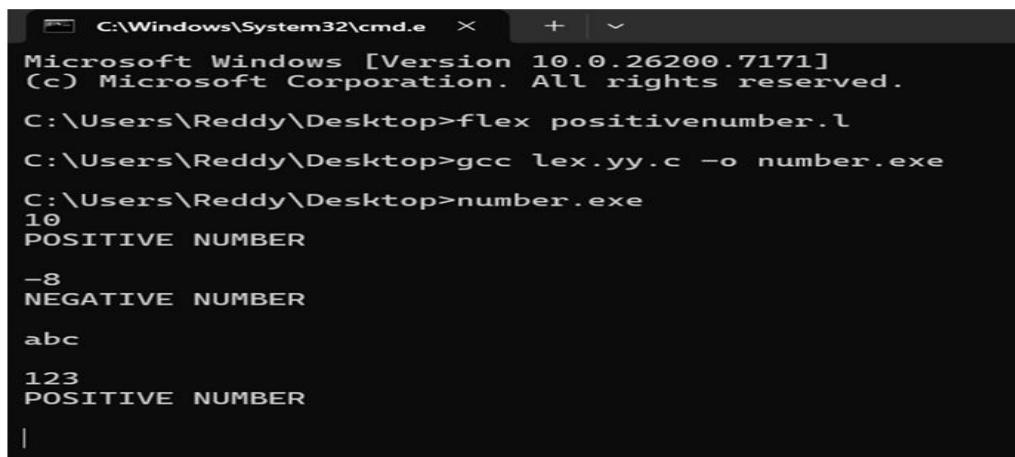
%%

int main() {

    yylex();

    return 0;
}
```

Output:



The screenshot shows a Windows Command Prompt window with the following text:

```
C:\Windows\System32\cmd.e  ×  + | ▾
Microsoft Windows [Version 10.0.26200.7171]
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C:\Users\Reddy\Desktop>flex positivenumber.l
C:\Users\Reddy\Desktop>gcc lex.yy.c -o number.exe
C:\Users\Reddy\Desktop>number.exe
10
POSITIVE NUMBER
-8
NEGATIVE NUMBER
abc
123
POSITIVE NUMBER
```