

19. Write a LEX program to print all HTML tags in the input file.

Input Source Program: (sample.html)

```
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

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

#include <string.h>

#define MAX_TAGS 1000

char tags[MAX_TAGS][256];

int tagCount = 0;

}%

%%

"<".*">" { strncpy(tags[tagCount++], yytext, sizeof(tags[0])); }

\n    ;

.    ;

%%

int main() {
```

```
printf("Enter your HTML code (Ctrl+D to end):\n");
```

```
yylex();
```

```
printf("\nHTML Tags:\n");
```

```
for (int i = 0; i < tagCount; i++) {
```

```
    printf("%s\n", tags[i]);
```

```
}
```

```
return 0;
```

```
}
```

```
int yywrap() {
```

```
    return 1;
```

```
}
```

```
C:\windows\system32\cmd.exe X + v
Microsoft Windows [Version 10.0.22621.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91936>set path=%path%;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\GnuWin32\bin;

C:\Users\91936>d:

D:\>flex 19.1

D:\>gcc lex.yy.c

D:\>a.exe
Enter your HTML code (Ctrl+D to end):
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
^D
^Z

HTML Tags:
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>

D:\>|
```