

Exp. No. 24

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>
```

Program: (html.l)

```
%{
int tags;
%}
%%%
"<"[^>]*> { tags++; printf("%s \n", yytext); }
.\n { }
%%%%
int yywrap(void) {
return 1; }
int main(void)
{
FILE *f;
char file[10];
printf("Enter File Name : ");
scanf("%s",file);
f = fopen(file,"r");
yyin = f;
yylex();
printf("\n Number of html tags: %d",tags);
fclose(yyin);
}
```

Output:

```
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C:\Users\ROJAYADAV\Downloads>flex html.l
C:\Users\ROJAYADAV\Downloads>gcc lex.yy.c
C:\Users\ROJAYADAV\Downloads>a.exe sample.html
Enter File Name : sample.c
<stdio.h>
<math.h>

Number of html tags: 2
C:\Users\ROJAYADAV\Downloads>flex html.l
C:\Users\ROJAYADAV\Downloads>gcc lex.yy.c
C:\Users\ROJAYADAV\Downloads>a.exe
Enter File Name : sample.html
<html>
<body>
<h1>
</h1>
<p>
</p>
</body>
</html>

Number of html tags: 8
C:\Users\ROJAYADAV\Downloads>
```