Exp. No. 19
Write a LEX program to print all HTML tags in the input file.

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);
}
```

Input Source Program: (sample.html)

```
<html>

<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>

</html>
```

OUTPUT:

```
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Deepak>d:

D:\>cd Slots

D:\Slots>cd Compiler Design

D:\Slots\Compiler Design>flex Ex4HTML.l

D:\Slots\Compiler Design>gcc lex.yy.c

D:\Slots\Compiler Design>a.exe Ex4Html.c
Enter File Name : Ex4Html.c
<html>
<body>
<h1>
</h1>
<p>
</p>
</body>
</html>

 Number of html tags: 8
D:\Slots\Compiler Design>
```