

```
%{
```

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

```
int n = 0;
```

```
%}
```

```
%%
```

```
"/"[a-zA-Z0-9 \n\t]*"/" { n++; }
```

```
//"[a-zA-Z0-9 \n\t]*"//" { n++; }
```

```
%%
```

```
int yywrap() {
```

```
    return 1;
```

```
}
```

```
int main() {
```

```
    printf("Enter text:\n");
```

```
    yylex();
```

```
    printf("Number of comment lines: %d\n", n);
```

```
    return 0;
```

```
}
```

C:\Windows\System32\cmd.exe

C:\Users\HP\OneDrive\Desktop\compiler design>set path=%path%;C:\P

C:\Users\HP\OneDrive\Desktop\compiler design>flex commentlines.1

C:\Users\HP\OneDrive\Desktop\compiler design>gcc lex.yy.c

C:\Users\HP\OneDrive\Desktop\compiler design>a.exe

Enter text:

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

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

```
// This is a comment line
```

```
// that spans multiple lines
```

```
that spans multiple lines
```

```
int main() {
```

```
int main() {
```

```
    // This is another comment
```

```
    // followed by a printf statement
```

```
followed by a printf statement
```

```
    printf("Hello, world!\n"); // This is a comment at the end of
```

```
    printf("Hello, world!\n");    return 0; // Return statement v
```

```
This is a comment at the end of the line
```

```
    return 0; }
```

```
Return statement with a comment
```

```
}
```

Number of comment lines: 4

C:\Users\HP\OneDrive\Desktop\compiler design>_

