

CS321 Compiler Lab

Work-2

Do the following.

1. Write a LEX program to take a Java program (having comments) as input and to produce another Java program removing the comments.
2. Extend the above LEX program to remove the documentation comment as well and to produce another .txt file that contains the documentation comments. In the output .txt file, the contents may be placed in such a way that it provides good readability.
3. Write a Lex program to extract all html tags and report their occurrence count from a given html file.

Example:

Input:

```
<html>
    <head>
        <title>Hello HTML</title>
    </head>
    <body>
        <p>Hello World!</p>
        <p>I am fine</p>
    </body>
</html>
```

Output:

html: 2

head: 2

title: 2

body: 2

p: 4