

# HTML lexical analyzer

For this phase of project 1, your solution should only print the tokens that the lexical analyzer identifies. For example, for the following input:

```
<p>This is a paragraph tag.</p>
<link rel="stylesheet" href="style.css" type="text/css" />
<p id='1234' class='class-name-here'>This is another paragraph tag in
which the start
tag has some attributes. However, for this project, <em>we are not
concerned with the
attributes in this lab</em> and therefore, we will ignore their
presence.<p>
<br />
```

Your solution should print something like this:

```
[ 1,  1] <p
[ 1,  3] >
[ 1, 28] </p>
[ 1, 31] >
[ 2, 110] <link
[ 2, 166] />
[ 3, 170] <p
[ 3, 206] >
[ 4, 309] <em
[ 4, 312] >
[ 5, 366] </em>
[ 5, 370] >
[ 5, 418] <p
[ 5, 420] >
[ 6, 423] <br
[ 6, 427] />
```

## Input/Output

Your application should accept the name of the input file as an argument. This allow you, and us, to design multiple test files to test different aspects of your solution. Your output should be very similar, in format, to the output files that we have provided to you.

You are encouraged to use `std::cout` to print diagnostic messages as you develop your solution. However, before your turn in your solution, you should comment out the code that print diagnostic messages and only print the output that you have been asked to generate.