Compiler

Lab 3: Jflex with scanner (Lexical analysis)

Write a lexical analyzer using JFLEX program which, given C programming sources as input, recognizes all the language elements (numerical constants, strings, keywords and comments) and produces as output an HTML file where each element results highlighted with a different color. All the input files must appear in a unique HTML file preceded by the name of the original source file. Note that in HTML colors are expressed with a "#" followed by three pairs of hexadecimal digits, each one represented by a fundamental component of the RGB tern (e.g. "#FF0000" is a bright red, "#0000FF" is blue and so on).

Example:

```
Given the following input file (named test.c)
```

```
#include <stdio.h>
int main (int i)
{
    if (i==1) return 1;
    /* Comment is here */
    else return 0;
}
```

the HTML output will be: