

```

1  /*****
2  /*
3  /*   A sample solution for labwork 1.
4  /*
5  /*
6  /*****/
7
8  /* Include libraries */
9  #include <stdio.h>
10
11 int main()
12 {
13     /* Variable decleration */
14     int celsius;
15     double fahrenheit;
16
17     FILE * inputFile, * outputFile;
18
19     /* Open input file */
20     inputFile = fopen("input.txt", "r");
21
22     /* Read an input value (celcius) from input file */
23     fscanf(inputFile, "%d", &celsius);
24
25     /* Close file immediately after finishing your job */
26     fclose(inputFile);
27
28     /* Convert celsius to fahrenheit */
29     fahrenheit = celsius * 1.8 + 32;
30
31     /* Open output file */
32     outputFile = fopen("output.txt", "w");
33
34     /* Print result to output file */
35     fprintf(outputFile, "%d C = %f F\n", celsius, fahrenheit);
36
37     /* Close output file*/
38     fclose(outputFile);
39
40     return 0;
41 }

```