

## Lab on if-else's and a loop CPS 171 J. Remen

This lab is to give you practice using a data file and if-then-else statements.

Look at <http://www.ha19k.com/cps171/Labifelse.htm> in your browser. This file contains the basic outline of a program which you will modify. It does not compile at the present time. The comments are intended to help you with the modifications.

Start Visual C++ and create your project, Add New Item C++ Source, and then cut-and-paste from your web browser into the new file

Next, open a text file and type in the following numbers.

```
12 5 0 4 -77 300 15 -6 20
```

Then save it with the name **labifelse.dat** in the same folder as your program.

Now you must start modifying the program.

First, declare the variables and complete the while loop that will read in and echo the integers from the data file, one at a time, until it reaches the end of the file. Note that the existing program has ... in places where you must insert C++ code. Test this code by running the program.

Next, add if-else statements to do the following:

If the integer that was read from the file is negative, the program should give an error message and proceed to read the next number from the file. If it is zero, it should just print that it is zero and if it is positive, it should print out whether the number is even or odd.

Hand in a listing of the program and the output.

Don't forget to save your .cpp and .dat files to a thumbdrive or cloud before you leave.