

# Computer Science 801

## Fall 2000

### Programming Lab 4

Thursday, 10/26/2000

#### Program 1

Write a program called `sum.c` that reads in a positive integer `n` from the user and prints the sum of the first `n` even integers (greater than 0) and the sum of the first `n` odd integers (greater than 0). Write the first loop using a single `for` statement and the second using a single `while` statement.

Here's what a sample run of the program might look like:

```
Enter an integer: 7
The sum of the first 7 even integers is 56
The sum of the first 7 odd integers is 49
```

#### Program 2

Write a program called `tempchart.c` that prints out a table of temperatures from 250 K to 300 K by 5 degree increments in Kelvin, Celsius, and Fahrenheit. Use code from an earlier program for the conversions.

The output should look like this

K	C	F
250	-23.0	
255	-18.0	
260	-13.0	
265	-8.0	
270		
275		
280		
285		
290		
295		
300	27.0	80.6