

## Assignment 6

### Due February 6, worth 5 points

The exercise was designed as a classroom exercise. Since we are half online, the only way to make everyone do it is to make it an assignments. The intention is that you practice writing code with the small tasks. If you copy from other people you are only depriving yourself of an education.

1. Write a function called `ten2one()`, that takes no input, and returns nothing (void). The body of the function must include a loop that counts from 10 down to 1, printing the count value each time in the loop. The output should look like (notice the spacing):  
10 9 8 7 6 5 4 3 2 1  
Call this function from `main()`.
2. Write a function called `hundredByFives()` that takes no input and returns nothing. The body of the function must include a loop that counts from 5 to 100 by fives, printing the count each iteration. The output should look like:  
5,10,15,20,25,30,35,40,45,50,55,60,65,70,75,80,85,90,95,100  
Notice the commas. Notice that there is no comma at the beginning or end.
3. Write a function called `countDown()` that takes an integer parameter as input but return nothing. ("Takes an integer parameter" means declare an int variable between the parens of the function, and put a value between the parens when you call it. It does not mean put a cin in the function.) The body of the function should count down, starting with the number that was passed and ending with 0. Call this function from main, twice, each time with a different value.
4. Write another function called `countUp()`, like `countDown()`, that also takes an integer parameter but starts at 1 and counts up to the number that was passed.
5. Output a new line after each function call so that each function outputs on its own line.

Turn in this assignment as a cpp file. Include the standard header comment block in your cpp file and follow all applicable coding standards.