COSC 480 – Lab #2
C Refresher

*This lab may be worked on in pairs. Use either gcc through AWS or on your own machine, or Visual C++.

1.) Create a simple add3Integers function, but the function cannot have any parameters and you cannot declare anything but pointers. You should ask the user for the three numbers (inputted one at a time is fine) and then calculate and print out the result.
2.) Create an ArrayAdd method that will ask the user for the size of an integer array, create the array, and then ask the user for the elements of the array. Print out the sum across all elements of that array.
3.) Code a recursive factorial. You are not allowed to return anything from the method.
4.) Create a method that will check to see if a string is a palindrome. The string should be passed as a parameter and a true or false returned.
5.) Write a method that will print a triangle of height n. n is a parameter of the method. The format of a triangle with n=5 should look like:

```
    *
   *  *
  *  *  *
 *  *  *  *
*  *  *  *  *
```

6.) Convert a number passed in as a parameter from a decimal integer to binary. The binary should be stored as a string and returned from the method.
7.) Write a main method that will run and test each of the methods created.

Submit your solution (only one submission per pair, one .c file), sufficiently commented, to Blackboard. Due 9/14 at 11:59pm.