Homework 5

All the following assignments are selected from Gaddis edition 7. The purpose is that you practice with classes. First do the reading assignment; Sections 13.1-13.11 (pages 829- 899). Run your code, submit the output and code too. Submit code in a separate, compliable file, do NOT include it in your pdf or text file.

1.   Write a function called *ev5* that takes as input an integer array *a1* and its length *l1*, and returns *true* if the number of even elements in the array is more than 5. Test your code in a main function [1 point].

2.   Write a class called *Array* that has the input arguments of the above function as the private members, and a new version of the above function as a public method. The new version of the *ev5* function should have only 1 input argument [1 point]. Add any more accessor and mutators methods if needed, and test your class in a main function [1 point].

3.   Add an improved version of the the function called *od2ev* that returns *true* if the number of odd numbers is twice more than the number of even numbers [1 point].

Like always:

Run your code, submit the output and code too. Submit code in a separate, compliable file, do NOT include the code in your pdf or tex file. Submit only 1 compressed (.gz.tar or .zip NOT .rar) file for this HW.