Cs3100
Assignment2
Due Friday Sep 12th, 11:59 pm

This is an individual assignment. All work must be your own. You have one week from now to submit the assignment. The assignments are submitted to http://hopper.csustan.edu/cshomework/. You can resubmit the assignment as long as it is before Sep 12th, 11:59 pm. Do not try to access your code through this website after the deadline, otherwise, the received date will change and the assignment will not be accepted.

This assignment is for practicing generics and polymorphism. The assignment problem is as follows. You are going to use the **ArrayList<E>** class in Iava. Unlike the regular arrays, **ArrayList** is a resizable-array, i.e., can keep adding elements at the end of the array. You will need to do the following:

1- Write down a new class **PrintArrayOperation** that inherits the **ArrayList** class.
2- The new class will override the following ArrayList functions:
   a. add(E)
   b. get(i)
   c. remove(i)
   d. set(i,e)
   Refer to the following link for an explanation about these functions:
   http://www.leepoint.net/notes-java/data/collections/lists/arraylist.html
3- In the new functions, you will need to call the original function and add a print statement showing what you currently added/retrieved/removed/changed. For example, when calling **add(10)** the function will add 10 to the end of the Array and print "I added 10".
4- You will need to provide a sample code showing how your new class is working.