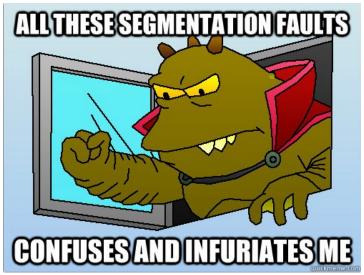# HOMEWORK #2:

Second Job

Due Date: Friday, February the 12th, 11:59pm

For this assignment, you will submit a single C++ file called 'realbox.cpp'.
Remember to put your **name** and **section** at the top of your program file.

Problem:

Good News!!. "Planet Express Softworks" just found their first ~~victim~~ client. Emperor Lrrr, from the planet Omicron Persei 8 is requesting your software services. The Omicronian IT services originally outsourced their development to the mud planet Elbonia, and although they developed for a very low price, what they delivered is full of seg-faults and memory leaks. So Emperor Lrrr has decided to take a shot hiring humans to rewrite one of the software modules.

The Omicronian IT services is giving you a file 'realbox.h', a specification of a class intended to contain a sequence of real numbers. So is called a RealBox.

Your Job:

Use your mad coding skillz and lead "Planet Express Softworks" to create a 'realbox.cpp' file from your knowledge of C++ and the documentation contained in the 'realbox.h' file.

Testing:

The Omicronian IT services have also provided you with a sample program that makes use of the RealBox class and their corresponding outputs. You can use them to check if your implementation is working correctly.

- The program 'tester.cpp' uses the RealBox class and is supposed to produce the output 'testeroutput.txt'.

Useful Hints:

1. Carefully read the comments of each member function.
2. Write down an algorithm for the function before you start coding it.

Implementation Requirements:

You should implement **ALL** the member functions specified in the 'RealBox.h' header file, as Emperor Lrr will check your implementation before payment. Also, he will check for **Memory Leaks**!!