CLC – Assignment 1

The purpose of this assignment is to assess your ability to:

* Analyze and compare algorithms for efficiency using Big-O notation
* Implement sequential abstract data types using array structures

Create a Loom video in which you demonstrate the process of resizing an array. Begin researching this process by watching Dave Feinberg’s videos on dynamic arrays located in the Topic Materials in the order they appear. Your video should not contain any code. You and your partner will demonstrate this process using a collection of items of your choosing.

Your video should meet the following criteria:

1. Give the runtime (Big-Theta) analysis
2. Demonstrate the process of resizing an array by including explanation of array memory constraints
3. Incorporate appropriate visual aids to help clarify main points
4. Be between 2-5 minutes in length
5. Feature both partners

Be sure you listen to your video before submission. Any video with sound issues will not be accepted.

Submit a document in LoudCloud that contains:

1. Both partner’s names
2. A link to your Loom video (YouTube will not be accepted.)
3. A statement that the work is your own

This assignment uses a rubric. Review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

APA style is not required, but solid academic writing is expected.

You are not required to submit this assignment to LopesWrite.