**Assignments for COSI 21A – Data Structures**

Assignments must be formatted in the following ways:

* Font: Times New Roman
* Font for Pseudo Code - Courier New
* Font Size: 12pt
* Your header includes Your Name, Assignment Name, Assignment Due Date, and Instructor's Name
* Each question is on a new page, with a header that is bolded and underlined (ex. **Question 1**)
* Each page should be numbered
* Each question that you’re answering should be included on its page, before your answer
* Answers to questions can take up more than one page, but each new question must start on its own page
* All pseudocode must follow the guidelines set out by Professor Di Lillo in class
* In your pseudocode, the Name of your Algorithm, Input, and Output must be **bolded**
* Your pseudocode must contain line numbers
* Each assignment must be submitted as a PDF file

There is an example assignment below.

**Question 1**

*Give an algorithm to find the element x in the array A*

1 **arrayFind**(x, A, n)

2 **Input**: array A of n integers, x element to find

3 **Output**: index where x is located or -1 if not found

5 i 🡨 0

6 while i < n do

7 if x = A[i] then

8 return i

9 else

10 i 🡨 i+1

11 return -1

**Question 2**

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