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### Instruction/Notes:

**Due Date: Fri, Dec 17th by 11:55pm.**

Assignments are to be done individually. No late assignments will be accepted.

**Submissions that do not comply with the specifications given in this document will not be marked and a zero grade will be assigned.**

Write your name and e-mail id in a comment line in source file. You are required to submit one single file (.cpp) containing all solutions as mentioned below.

**File NAME Example:**

RollNum\_Section.cpp

20L2367\_J.cpp

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### Arrays and Functions

#### 1. Operations on Array:

Declare an array of size=20 with a size maintaining variable s=0. Built three functions;

##### 1. Insertion

Insert an element at top if array is empty otherwise place it in ascending manner in array as discussed in class and print "Inserted". If array already full print "Array is full".

##### 2. Deletion

Find element in array if exist delete it and maintain the array structure and print "Deleted", otherwise print "Element not found".

##### 3. Update

Find the element in array and replace it with user input and print Updated otherwise print "Not Found".

#### 2. Union and Intersection of Array:

Get two arrays (size of 10) from user and print their union and intersection.

### SUBMISSION INSTRUCTION:

After completing both questions. Make two more functions, **Question1()**, **Question2()**. Create a menu, upon startup which prompts user to tell which question to run 1 or 2 (No need to make extra checks here if 1 call function Question1() else if 2 call function Question2()). These functions Question1 and Question2 will contain the code according to their requirements. Submit this code in one file named as your roll number. Do not zip.

Best of Luck 😊