**Logic Check**

1. I took CSE fall semester of 2017, which was my first semester here at UC Merced.
2. This lab took me approximately the entire lab period (2 hours 50 min)
3. The one part I struggled the most on was with checking for duplicates because of the complexity of how many nested loops there was. Also the section on how to check the value of an index in an array is something that not only I struggled with, but also something I saw my fellow peers struggle with as well throughout the lab period.
4. I believe that index 11 is the final check that needs to be made because the only other number it can be compared with index 10.
5. 101010
   1. Interpreting as Base 2
      1. Base 10 = 42
      2. Base 16 =4F
   2. Interpreting as Base 10
      1. Base 2 = 1 1000 1010 1001 0010
      2. Base 16 = 18A92
   3. Interpreting as Base 16
      1. Base 2 = 1 0000 1 0000 1 0000
      2. Base 10 = 1,052,688

// Collaboration: I was helped by my peer Ryan Benitez

// 32+8+2

//101,010

0000 0000 0000 0000 0000