1. Array product problem **[Medium] [Facebook, Amazon, Apple, Microsoft]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/1039/array-product-problem/18/module-5-problem-solving

2. Find two missing in a sequence of consecutive numbers **[Medium]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/1042/find-two-missing-numbers-in-a-sequence-of-consecutive-numbers/18/module-5-problem-solving

3. Find two repeating elements in an array **[Medium]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/625/find-two-reapting-elements-in-an-array/18/module-5-problem-solving

4. Merge Overlapping intervals **[Medium] [JPMorgan, Facebook, Amazon, Apple, Bloomberg, Microsoft, Adobe, Google, Uber, eBay, Salesforce, VMware, Cisco]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/1124/merge-overlapping-intervals/18/module-5-problem-solving

5. Rotate Matrix by 90 degrees **[Medium] [Amazon, Microsoft, Apple, Uber, Adobe, Cisco]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/619/rotate-matrix-by-90-degrees/18/module-5-problem-solving

Practice Questions:

1. Given an array of integers nums containing n + 1 integers where each integer is in the range [1, n] inclusive.

   There is only one repeated number in nums, return this repeated number.

   You must solve the problem without modifying the array nums and uses only constant extra space. **[Medium] [Microsoft, Amazon, Apple, Bloomberg, Adobe, Paypal]**

   Practice link:
   https://leetcode.com/problems/find-the-duplicate-number/

2. Given a set of non-overlapping intervals, insert a new interval into the intervals (merge if necessary).

   You may assume that the intervals were initially sorted according to their start times. **[Medium] [Google, Twitter, Amazon, Apple, Uber]**

   Practice link: https://leetcode.com/problems/insert-interval/

3. Given two n x n binary matrices mat and target, return true if it is possible to make mat equal to target by rotating mat in 90-degree increments, or false otherwise. **[Easy] [Amazon]**

   https://leetcode.com/problems/determine-whether-matrix-can-be-obtained-by-rotation/