Our midterm was almost the same as PreviousMidterm\_Ruby especially fill in the blank and true false questions.

The algorithm design questions were different, we had 4 questions:

1. You have single list of elements contains duplicates. Design in-place algorithm to remove the duplicates.
2. You have unsorted stack of numbers. Sort the stack, you can only use **ONE** extra stack.
3. Problem to use ordered dictionary to get the max count. (same as book/publisher problem with ruby).
4. You have {a,a,a,a,b,b,c,d,d,d,a,a} we need to have a compression algorithm. So the output should be {a,4,b,2,c1,d,3,a,2} First you need find the size of the new array, if the size is bigger than the size of the original array -> compression inefficient and do not do it, otherwise do the compression in that way.