**Assignment on Collection (Set) (2)**

1.Add and Check Duplicates using Set.  
Input: [1, 2, 2, 3, 4, 4, 5] Expected Output: [1, 2, 3, 4, 5]  
 Hint: Add elements to a Set to automatically remove duplicates.

2.Check if Two Sets are Equal.  
Input: Set A = [1, 2, 3], Set B = [3, 2, 1] Expected Output: true  
 Hint: Use setA.equals(setB)

3.Union of Two Sets.  
Input: A = [1, 2], B = [2, 3] Expected Output: [1, 2, 3]  
 Hint: Use addAll() method of Set.

4.Intersection of Two Sets.  
Input: A = [1, 2, 3], B = [2, 3, 4] Expected Output: [2, 3]  
 Hint: Use retainAll() method.

5.Remove Specific Element from a Set.  
Input: Set = [a, b, c], remove("b") Expected Output: [a, c]  
 Hint: Use set.remove("b")

6. Find the First Repeating Element using Set.  
Input: [10, 5, 3, 4, 3, 5, 6] Expected Output: 3  
 Hint: Use a Set to track seen elements.

7.Check if Two Arrays Have Any Common Element using Set.  
Input: A = [1, 2, 3], B = [4, 5, 2] Expected Output: true  
 Hint: Add one array to Set and check if any element of second exists.

8.Find Missing Numbers Between 1 to n.  
Input: Array = [1, 2, 4, 6], n = 6 Expected Output: [3, 5]  
 Hint: Add 1 to n in a Set, remove found elements.

9.Find Unique Elements That Appear Only Once.  
Input: [1, 2, 2, 3, 4, 4] Expected Output: [1, 3]  
 Hint: Use HashMap to count frequency and collect values with count 1.

10.Group Words by Their Unique Character Set.  
Input: ["abc", "bca", "cab", "xyz", "yxz"]

Expected Output: [["abc", "bca", "cab"], ["xyz", "yxz"]]  
 Hint: Use a Set for characters or sort characters to group words.