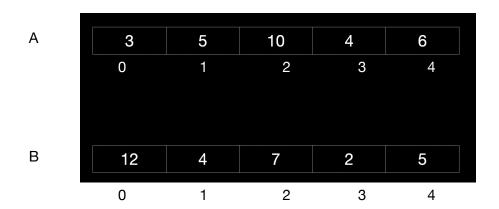
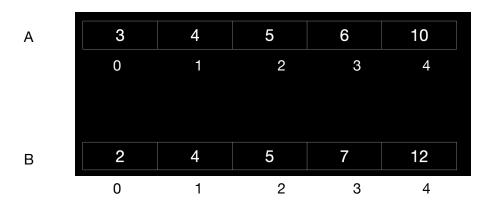
# **Set Operations on Array**

• The set operations that can be performed on an array are UNION, INTERSECTION, DIFFERENCE, SET MEMBERSHIP

# Unsorted arrays



# sorted arrays



### 1. Union

On unsorted array

C = A U B



On sorted array

C = A U B



# 1. Intersection

On unsorted array

$$C = A n B$$



On sorted array

$$C = A n B$$



### 1. Difference

On unsorted array

$$C = A - B$$



On sorted array

$$C = A - B$$

