

### **LAB-3**

- 1. How do you find the missing number in a given integer array of 1 to 100?**
- 2. How do you find the duplicate number on a given integer array?**
- 3. How do you find the largest and smallest number in an unsorted integer array?**
- 4. How do you find all pairs of an integer array whose sum is equal to a given number?**
- 5. How do you find duplicate numbers in an array if it contains multiple duplicates?**
- 6. How to remove duplicates from a given array?**
- 7. How do you search a target value in a rotated array?**
- 8. Given an unsorted array of integers, find the length of the longest consecutive elements sequence?**
- 9. How do you remove duplicates from an array in place?**
- 10. How do you reverse an array in place**
- 11. How to find a median of two sorted arrays?**
- 12. How do you find duplicates from an unsorted array?**

- 13. Given an array of integers sorted in ascending order, find the starting and ending position of a given value?**
- 14. Given an integer array, find the contiguous subarray (containing at least one number) which has the largest sum and return its sum?**