

Practice Questions 1

1. Write a program to find the three largest numbers in an integer array. 2. Define a function to return the most occurring number in a given array of integer numbers. Suppose if the array contains 2,3,4,2,6,4,1,2,1 the function must return 2. 3. Define a function to swap two given arrays, each of size 10.
4. Consider an integer array containing an equal number of zeros and ones in any order. Pass this array to a function along with two other integer arrays. In the function, the second array must be filled with zeros only whereas the third array must be filled with ones. Print all three arrays in the main function after calling the function.
5. Define a function to return the count of the occurrences of a particular number in a given integer array. Suppose if the function is passed the array 2,3,4,5,6,4,1,2 and a number 3, the function must return 1. For the given array, if 9 is passed, the function must return 0.
6. Define a function to return the first repeating number in a given array. Suppose if the array contains 2,3,4,5,6,4,1,2, the function must return 4.
7. Define a function to count the occurrences of duplicate numbers in a given integer array. Suppose if the array contains 2,3,4,5,6,4,1,2, the function must return 2 as the function contains 2 two duplicate numbers which are 2 and 4. Duplicate numbers are those that appear exactly twice.