

Question 1:

Write a program to sort an array using insertion sort.

Question 2:

Write a program to find a triplet that sums to a given value with improved time complexity.

Input: array = {12, 3, 4, 1, 6, 9}, sum = 24;

Output: 12, 3, 9

Explanation: There is a triplet (12, 3 and 9) present in the array whose sum is 24.

Input: array = {1, 2, 3, 4, 5}, sum = 9

Output: 5, 3, 1

Explanation: There is a triplet (5, 3 and 1) present in the array whose sum is 9.

Question 3:

Write a program to find a triplet such that the sum of two equals to the third element with improved time complexity.

Input : {5, 32, 1, 7, 10, 50, 19, 21, 2}

Output : 21, 2, 19

Input : {5, 32, 1, 7, 10, 50, 19, 21, 0}

Output : no such triplet exist