Question 03

You are given an array of integers arr of length n and an integer x. Your task is to find the pair of elements (arr[i], arr[j]) such that the sum of the pair is closest to the given value x.

Write a function or program to solve this problem efficiently.

Input:
The input consists of three parts:

The first line contains two integers n (1 ≤ n ≤ 10^5), representing the length of the array, and x (-10^9 ≤ x ≤ 10^9), representing the target sum.
The second line contains n space-separated integers, representing the elements of the array arr.

Output:
Output two integers i and j, representing the indices of the pair (arr[i], arr[j]) such that the sum of the pair is closest to the given value x. If there are multiple pairs with the same closest sum, output the pair with the smallest value of i and j..

Example:

Sample Input: 5 9 2 6 7 8 12 **Output:** 2 9	**Sample Input:** 4 8 3 2 6 12 **Output:** 3 8

Explanation:

In the given example, the array arr is [9, 2, 6, 7, 8] and the target sum x is 12. The pair (2, 9) has the sum 2 + 9 = 11, which is closest to x = 12 among all pairs.

Note:
There may be multiple pairs with the same closest sum. You need to output the pair with the smallest value of i and j.