Given an unsorted array of size n. Array elements are in the range from 1 to n. One number from set {1, 2, …n} is missing and one number occurs twice in the array. Find these two numbers.

Examples:

Input: arr[] = {3, 1, 3}

Output: Missing = 2, Repeating = 3

Explanation: In the array,

2 is missing and 3 occurs twice

Input: arr[] = {4, 3, 6, 2, 1, 1}

Output: Missing = 5, Repeating = 1