Ans 8) import java.util.\*;

public class DistinctElements {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Input array length

System.out.print("Enter the number of elements in the array: ");

int n = sc.nextInt();

int[] arr = new int[n];

System.out.println("Enter the elements of the array:");

for (int i = 0; i < n; i++) {

arr[i] = sc.nextInt();

}

HashSet<Integer> set = new HashSet<>();

for (int num : arr) {

set.add(num);

} System.out.println("Total number of distinct elements: " + set.size());

sc.close();

}

}