Write a Program to Remove the Duplicate Items from a array.

CODE:

import java.util.\*;

public class RemoveDuplicatesFromArray {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input array size

System.out.print("Enter the size of the array: ");

int size = scanner.nextInt();

// Input array elements

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

int[] array = new int[size];

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

array[i] = scanner.nextInt();

}

// Remove duplicates

int[] result = removeDuplicates(array);

// Print the array after removing duplicates

System.out.println("Array after removing duplicates:");

for (int num : result) {

System.out.print(num + " ");

}

}

// Function to remove duplicates from the array

public static int[] removeDuplicates(int[] array) {

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

for (int num : array) {

set.add(num);

}

int[] result = new int[set.size()];

int i = 0;

for (int num : set) {

result[i++] = num;

}

return result;

}

}

OUTPUT:

C:\javap>javac RemoveDuplicatesFromArray.java

C:\javap>java RemoveDuplicatesFromArray

Enter the size of the array: 5

Enter the elements of the array:

7 4 2 9 8

Array after removing duplicates:

2 4 7 8 9

