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053

Test 10

```
public static void main(String[] args) {
// .1) Write a function named "remove duplicates" that takes an array of
integers in random
// order and eliminates all the duplicate integers in the array. The
function should take two
// arguments:
// (1) An array of integers
// (2) An integer that tells the number of cells An array
// 'a': The integer array of numbers
// 'n': The number of integers An the array
// RETURNS:
// The function should not return a value, but if any duplicate integers
are eliminated, then
// array is restructured such that the unique value precedes repeated
values.
// EXAMPLE:If input is
// int a[11]=(58,26,91,26,70,70,91,58,58,58,66)
// Revised array:
// A [11] 58 26 91 70 66 70 91 58 58 58 66)
int arr[] = {58,26,91,26,70,70,91,58,58,58,66};
removeduplicates(arr, arr.length);
}
public static void removeduplicates(int arr[], int n) {
int index = 0;
int duplicateindex = 0;
boolean isduplicate;
int dup[] = new int[n];
for (int i = 0; i < dup.length; i++) {
isduplicate = false;
for (int j = 0; j < index; j++) {
if(arr[i] == arr[j]) {
isduplicate = true;
break;
}
}
if(!isduplicate) {
arr[index++] = arr[i];
}
else {
dup[duplicateindex++] = arr[i];
}
}
for (int i = 0; i < dup.length; i++) {
System.out.print(arr[i]+ " ");
}
}
```