void counting_sort(int *array, int size)

int i, min, max;
min = max = array[0];
i = 1

i < size ?

No → int range = max - min + 1;
int *count = (int *) malloc(range * sizeof(int));
i = 0

Yes → array[i] < min ?

Yes → min = array[i];

No → array[i] > max ?

Yes → max = array[i];

No → i++

i < range ?

Yes → count[i] = 0;

No → i = 0

i++

i < size ?

Yes → count[array[i] - min]++;

No → int j, z = 0;
i = min

i++

i <= max ?

No → free(count);

Yes → j = 0

End

j < count[i - min] ?

Yes → array[z++] = i;

No → i++

j++