Counting sort

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Counting sort

1	5	1	3	3	7

Counting sort

Create new array with the size of the input value type (byte for example):

0	0	0	0	0	0	0	0	0	.....
0	1	2	3	4	5	6	7	8	

Counting sort

Count the numbers and save them in our array

0	2	0	2	0	1	0	1	0	.....
0	1	2	3	4	5	6	7	8	

Counting sort

Generate new sorted array from the counting array

0	2	0	2	0	1	0	1	0	.....

0   1   2   3   4   5   6   7   8

1	1	3	3	5	7