

Filename: counting_sort.py
Bug type: program freezes

Bug report

Expected Behaviour

[Counting sort](#) is an efficient algorithm when a list contains multiple copies of the same number.

This program is a console demonstration of counting sort. The user should enter a sequence of numbers separated by a space.

The program then sorts the numbers using counting sort and outputs the result to the screen.

```
Enter a list of numbers separated by spaces: 1 4 3 2 5 5 4 3 2 1 5 4  
Sorted numbers: 1 1 2 2 3 3 4 4 4 5 5 5
```

Bug

The program freezes in some cases. By example the program is unable to sort a list of number as simple as this: 1 2 3 2 5 6 4 8 6