

sorts cheat sheet

open the code on your second monitor

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sorts

bubble sort

a bubble sort makes passes thru a list and compares adjacent numbers and compares them eg. if you have a list that is list=[54,22,87,30,90] on the first pass you would do is 54>22 if yes flip them so your list is now [22,54,...] and then it would start from the beging and do it over untell if found two unso rted numbers and flip.

step by step

- line one two three

these are just get how long the user would like the list to be line 3 makes a list as long as the input from the user

- line 5 from 14 is the sorting

- def bubble makes a function naimed bubble and the (badlist) is for when we call it it and put what we are going to run it on it will call that badlist
- lenght = len(badlist) - 1 this is to get the true lenght of the list beasue it counts starting at 0 so if the list has 12 numbers it will be 13 but we want to have true value so -1 off the len
- while not sorted this runs the code below as long as sorted = False
-

selection sort

```
z = [4,5,7,9,62,82,7]
```

```
del z[4]  
print(z)
```

```
## [4, 5, 7, 9, 82, 7]
```