When passing an already sorted array through the sort, should this array be printed twice, or once in the output? Both make enough sense.

Subject: Re: Printing an already sorted array
Posted by davidmccoy on Tue, 07 Feb 2017 21:32:26 GMT
View Forum Message <> Reply to Message
twice

The answer is indeed twice.

The reason this is true: The test1 dropbox tests your output against expected, using already sorted input. The results shown print the original(sorted) queue and then the outQueue after "sorting" the already sorted queue.

Subject: Re: Printing an already sorted array
Posted by bkaaron on Wed, 08 Feb 2017 15:39:30 GMT
View Forum Message <> Reply to Message

I am sure this is a very simple fix, but when I input an already sorted array, it currently only prints once and I can not seem to find a way to print it twice without adding an extra print to other cases.

Subject: Re: Printing an already sorted array
Posted by laskinner on Wed, 08 Feb 2017 18:49:54 GMT
View Forum Message <> Reply to Message

I have it so that it print the input as soon as it get it, then prints at the end of every pass. If its sorted, it won't do another pass. Resulting in two prints if its already sorted.
The way I am currently printing is as follows:

displayQueue(in)
sqsort(in,out,comp) {
  __while in is not empty:
  ____sorting stuff...
  ___clear stack
  __displayQueue(out)
  ___if not sorted, swap in/out, sqsort(in,out,comp)
}

This way prints the sorted list twice if it is already in order but prints duplicate sorted lists if it is not an already sorted list. Previously I had the print within the "if not sorted" statement and it would not print twice if an already sorted list is inputed.

Subject: Re: Printing an already sorted array
Posted by jjlukas on Thu, 09 Feb 2017 03:35:05 GMT

Another way, is to pass in a parameter count, that is initialized to 0, and if(swaps == 0 && count == 0) print and return otherwise sort and count++