Listing 1: Oh Caption, My Caption!

```c
// from: http://www.algolist.net/Algorithms/Sorting/Quicksort
void quickSort(int arr[], int left, int right) {
  int i = left, j = right;
  int tmp;
  int pivot = arr[(left + right) / 2];

  /* partition */
  while (i <= j) {
    while (arr[i] < pivot)
      i++;
    while (arr[j] > pivot)
      j--;
    if (i <= j) {
      tmp = arr[i];
      arr[i] = arr[j];
      arr[j] = tmp;
      i++;
      j--;
    }
  };

  /* recursion */
  if (left < j)
    quickSort(arr, left, j);
  if (i < right)
    quickSort(arr, i, right);
}
```