Assignment # 4

Please clone the repository from https://github.com/neslimsah/compareSortingAlgorithms.git

You need to implement parseData, selectionSort, insertionSort, bubbleSort and mergeSort functions.

Each sorting function will count the number of extra memory allocated using the global variable extraMemoryAllocated.

URL of my GitHub repository: https://github.com/surxer/Assignment-4

Assignment # 4

screenshots of the output:

```
1281 1414 1822 2076 2342 2460 2545 2616 2620 2674 2752 2877 2932 3070 3341 3353 3481 3561 3589 3649 3655 3703 3920 4255 4258 4265 4660 4666 4795 4817 4818 4867 5 6074 6182 6200 6208 623 6512 6622 6935 7039 7094 7153 7156 7190 7438 7567 7602 7681 7742 7774 7814 7905 7957 8160 8275 8518 8521 8534 8624 8696 8786 8807 8809 8 9547 9801 9984 9994 10716
8 757 757 1111 1252 1263 1306 1433 1471 1502 1518 1552 1858 1895 2045 2135 2143 2179 2426 2459 2810 2833 2859 2893 2931 3105 3110 3220 3237 3377 3396 3638 3683 3771 397451 4872 4887 5131 5336 5426 5451 5458 7519 5926 6090 6334 6370 6405 6414 6488 6600 6716 6827 6892 7386 7515 7547 7620 7662 7676 7744 7848 7864 7930 7942 7991 8271 8210 323 3200 3200 3284 6276 8277 9005
```