

File Edit View Search Terminal Help

it@it-OptiPlex-3020:~/Desktop/ca assignment/assignment 1\$ g++ -Wall -pg quicksort.cpp -o quicksort

it@it-OptiPlex-3020:~/Desktop/ca assignment/assignment 1\$./quicksort

Enter count

1234567

File Edit View Search Terminal Help

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7313 4096 995 1016 8286 5980 8530 4675 4583 3449 6069 7401 4141 249 5008 5225 8222 5296 6249 9027 5218 2573 7016 2693 3367 6362 6701 7501 1814
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34 8617 4196 5857 446 5692 7074 3291 1824 4270 1018 8983 2401 2192 2210 4283 3859 5685 1173 750 3733 7006 241 807 760 8656 1249 7207 6789 8051
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9 2014 890 912 787 3908 5460 1769 3724 2052 6175 6831 6819 4851 7306 6920 2279 6325 5583 342 9202 9931 3225 9180 4363 5817 9398 5953 9169 4623
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4 8536 5717 9184 506 5969 9634 1387 8057 1476 5160 4912 4385 5916 7363 6952 1913 46 9546 7812 5778 8912 2015 8151 5739 134 2439 1076 1050 8975
3642 4504 7510 9358 39 4367 5327 9673 5753 3383 7500 912 4646 1884 6827 2008 5187 5091 8405 4732 2902 4183 3643 1268 2333 5734 1401 1123 6809
8803 6449 450 9658 3958 9807 9696 8324 1485 5720 4076 1220 3219 4987 5865 1454 8166 4225 6640 9608 2629 1371 2510 3163 1366 129 5495 7099 788
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55 9158 8252 2822 4830 9439 9479 2316 4629 1484 1467 1362 9582 5460 1040 112 9582 1205 5629 5630 7537 8426 4035 4362 8206 3674 82
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[illegible]

Total number of comparison is 10509413

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it@it-OptiPlex-3020:~/Desktop/ca assignment/assignment 1$
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[illegible]

Total number of comparison is 10509413

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it@it-OptiPlex-3020:~/Desktop/ca assignment/assignment 1$ gprof quicksort gmon.out > output
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it@it-OptiPlex-3020:~/Desktop/ca assignment/assignment 1$
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Activities Text Editor ▾

Mon 19:54 ●

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output
~/Desktop/ca assignment/assignment 1

Save

quicksort.cpp × output ×

```
1 Flat profile:
2
3 Each sample counts as 0.01 seconds.
4  %   cumulative   self           self       total
5  time    seconds seconds    calls  ms/call  ms/call  name
6 87.29      0.27      0.27   1224567    0.00      0.00  partition(int*, int, int, int&)
7  4.85      0.29      0.02  11733980    0.00      0.00  swap(int*, int*)
8  3.23      0.30      0.01        2    5.01      5.01  printArray(int*, int)
9  3.23      0.31      0.01        1   10.02    295.66  quickSort(int*, int, int, int&)
10 1.62      0.31      0.01  1234568    0.00      0.00  printRandoms(int, int, int)
11 0.00      0.31      0.00        1    0.00      0.00  _GLOBAL__sub_I_Z12printRandomsii
12 0.00      0.31      0.00        1    0.00      0.00  __static_initialization_and_destruction_0(int, int)
13
14 %           the percentage of the total running time of the
15 time        program used by this function.
16
17 cumulative  a running sum of the number of seconds accounted
18 seconds    for by this function and those listed above it.
19
20 self        the number of seconds accounted for by this
21 seconds     function alone. This is the major sort for this
22             listing.
23
24 calls       the number of times this function was invoked, if
25             this function is profiled, else blank.
26
27 self        the average number of milliseconds spent in this
28 ms/call     function per call, if this function is profiled,
29             else blank.
30
31 total       the average number of milliseconds spent in this
32 ms/call     function and its descendents per call, if this
33             function is profiled, else blank.
34
35 name        the name of the function. This is the minor sort
36             for this listing. The index shows the location of
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