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1 Welcome to DrJava. Working directory is C:\Users\hyej\Assign_3
2 > run Sortings.Testing
3 Enter the size of the array (the number should be equal or larger than 10 due to
  Radix sort):
4 [DrJava Input Box]
5 What is your preference?
6 1)Option 1: Random numbers for the array.
7 2)Option 2: Choose your own numbers for the array.
8 Select 1 or 2:
9 [DrJava Input Box]
10
11 An array with 5000 random integers has been created.
12
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19 **In the first sort, the amount of time: 33246800 nanoseconds (=33.2468
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20 **After re-sorting, the amount of time: 18721100 nanoseconds (=18.7211
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21 -----[2.Heap Sort]
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22 After sorting:
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27 **In the first sort, the amount of time: 425300 nanoseconds (=0.4253 milliseconds)
28 **After re-sorting, the amount of time: 126700 nanoseconds (=0.1267 milliseconds)
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30

31 **In the first sort, the amount of time: 1539200 nanoseconds (=1.5392 milliseconds)

Interactions

32


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32 **After re-sorting, the mount of time: 293300 nanoseconds (=0.2933 milliseconds)
33 -----[4.Quick Sort]
34 -----
34 After sorting:
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36
37 **In the first sort, the amount of time: 1697700 nanoseconds (=1.6977 milliseconds)
38 **After re-sorting, the amount of time: 417000 nanoseconds (=0.417 milliseconds)
39 -----[5.Radix Sort]
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40 After sorting:

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43 **In the first sort, the amount of time: 3004000 nanoseconds (=3.004 milliseconds)

44 **After re-sorting, the amount of time: 1404500 nanoseconds (=1.4045 milliseconds)

45 >