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1 Welcome to DrJava. Working directory is C:\Users\hyeji\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 10000 random integers has been created.
12
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18
 19 **In the first sort, the amount of time: 85325000 nanoseconds (=85.325
 milliseconds)
 20 **After re-sorting, the amount of time: 64674100 nanoseconds (=64.6741
 milliseconds)
 21 -----[2.Heap Sort]

 22 After sorting:
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31 **In the first sort, the amount of time: 2172200 nanoseconds (=2.1722 milliseconds)
32 **After re-sorting, the mount of time: 2371400 nanoseconds (=2.3714 milliseconds)
33 -----[4.Quick Sort]

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34 After sorting:

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36

37 **In the first sort, the amount of time: 2676500 nanoseconds (=2.6765 milliseconds)

38 **After re-sorting, the amount of time: 933900 nanoseconds (=0.9339 milliseconds)

39 -----[5.Radix Sort]

40 After sorting:

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43 **In the first sort, the amount of time: 4493800 nanoseconds (=4.4938 milliseconds)  
44 **After re-sorting, the amount of time: 2882300 nanoseconds (=2.8823 milliseconds)  
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