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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: 84515700 nanoseconds (=84.51569  
milliseconds)

20 \*\*After re-sorting, the amount of time: 111866200 nanoseconds (=111.8662  
milliseconds)

21 -----[2.Heap Sort]  
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22 After sorting:

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24

25 \*\*In the first sort, the amount of time: 1009800 nanoseconds (=1.0098 milliseconds)

26 \*\*After re-sorting, the amount of time: 306500 nanoseconds (=0.3065 milliseconds)

27 -----[3.Merge Sort]

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28 After sorting:

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36
37 **In the first sort, the amount of time: 2823400 nanoseconds (=2.8234 milliseconds)
38 **After re-sorting, the amount of time: 354900 nanoseconds (=0.3549 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: 3875700 nanoseconds (=3.8757 milliseconds)

44 \*\*After re-sorting, the amount of time: 2198400 nanoseconds (=2.1984 milliseconds)

