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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 5000 random integers has been created.
12
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25 **In the first sort, the amount of time: 474100 nanoseconds (=0.4741 milliseconds)
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27 -----[3.Merge Sort]
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28 After sorting:
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30

31 \*\*In the first sort, the amount of time: 1720100 nanoseconds (=1.7201 milliseconds)

Interactions

32



32 \*\*After re-sorting, the mount of time: 509700 nanoseconds (=0.5097 milliseconds)  
33 -----[4.Quick Sort]

34 After sorting:

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36
37 **In the first sort, the amount of time: 1647300 nanoseconds (=1.6473 milliseconds)
38 **After re-sorting, the amount of time: 392400 nanoseconds (=0.3924 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: 2920400 nanoseconds (=2.9204 milliseconds)

44 \*\*After re-sorting, the amount of time: 2429900 nanoseconds (=2.4299 milliseconds)

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