RESULTS

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Here, n is taken as the size of array. Number of trials is 20.

Below are the results observed for the following values of n:

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| n | K-Largest numbers using randomized partition | K-Largest numbers using Priority Queue |
| 16M | Time: 1158 msec.  Memory: 62 MB / 121 MB. | Time: 17488 msec.  Memory: 339 MB / 1263 MB. |
| 32M | Time: 2389 msec.  Memory: 123 MB / 243 MB. | Time: 56309 msec.  Memory: 623 MB / 1444 MB. |
| 64M | Time: 5031 msec.  Memory: 246 MB / 365 MB. | Time: 158140 msec.  Memory: 1192 MB / 2020 MB. |
| 128M | Time: 10354 msec.  Memory: 490 MB / 609 MB. | Infinity |
| 256M | Time: 22301 msec.  Memory: 978 MB / 1098 MB. | Infinity |