|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of elements** | **Selection** | **Insertion** | **Merge** | **Quick** | **hybrid** |
| **1000** | **0.51ms** | **0.21ms** | **0.52ms** | **0.04ms** | **0.04ms** |
| **5000** | **16.84ms** | **5.31ms** | **1.54ms** | **0.24ms** | **0.23ms** |
| **10000** | **57.73ms** | **24.93ms** | **2.4ms** | **0.49ms** | **0.53ms** |
| **50000** | **1244.32ms** | **577.2ms** | **14.1ms** | **2.87ms** | **2.62ms** |
| **75000** | **2789ms** | **1314.45ms** | **18ms** | **4.61ms** | **4.22ms** |
| **100000** | **5041.29ms** | **2300.6ms** | **25.11ms** | **5.96ms** | **6.13ms** |
| **500000** | **117101ms** | **57485.6ms** | **133.4ms** | **33.83ms** | **32.39ms** |

**unsorted**

**Sorted**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of elements** | **Selection** | **Insertion** | **Merge** | **Quick** | **hybrid** |
| **1000** | **.63ms** | **0ms** | **0.30ms** | **0.25ms** | **0ms** |
| **5000** | **16.41ms** | **0ms** | **0.94ms** | **5.9ms** | **0ms** |
| **10000** | **60.51ms** | **0ms** | **2.12ms** | **24.82ms** | **0ms** |
| **50000** | **1250.31ms** | **0.03ms** | **13.9ms** | **580ms** | **0.02ms** |
| **75000** | **2783.11ms** | **0.101ms** | **19.42ms** | **1294ms** | **0.03ms** |
| **100000** | **4878.13ms** | **0.113ms** | **26.83ms** | **2318.3ms** | **0.06ms** |
| **500000** | **117104.41ms** | **0.29ms** | **133.2ms** | **59206.2ms** | **0.23ms** |