# Performance Data

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| Algorithm | Time Taken (s) | Memory Usage (MB) | Number Count |
| merge\_sort | 0.00180910 | 0.02048000 | 1000 |
| quick\_sort | 0.00173060 | 0.00000000 | 1000 |
| partition\_quck\_sort | 0.00154890 | 0.00409600 | 1000 |
| python\_sort | 0.00012030 | 0.00000000 | 1000 |
| buble\_sort | 0.03894470 | 0.00000000 | 1000 |