

./build/main

Algorithm: Bubble Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Ordered: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms

Reverse: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Array size: 10000

Random: 429ms, 458ms, 485ms, 466ms, 444ms, 457ms, 436ms, 417ms, 441ms, 431ms

Ordered: 150ms, 151ms, 159ms, 155ms, 154ms, 155ms, 175ms, 170ms, 164ms, 157ms

Reverse: 493ms, 503ms, 497ms, 486ms, 481ms, 464ms, 469ms, 456ms, 458ms, 462ms

Array size: 100000

Random: 43285ms, 43143ms, 42939ms, 42931ms, 42969ms, 42997ms, 43095ms, 43151ms, 43046ms, 43085ms

Ordered: 14816ms, 14832ms, 14796ms, 14896ms, 14821ms, 14807ms, 14804ms, 14794ms, 14890ms, 14768ms

Reverse: 46340ms, 46263ms, 46294ms, 46124ms, 46209ms, 46300ms, 46120ms, 46310ms, 46114ms, 46047ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Algorithm: Insertion Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms

Array size: 10000

Random: 117ms, 135ms, 130ms, 125ms, 126ms, 124ms, 121ms, 118ms, 134ms, 119ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 269ms, 265ms, 261ms, 252ms, 241ms, 242ms, 248ms, 240ms, 242ms, 243ms

Array size: 100000

Random: 12156ms, 12143ms, 12096ms, 12118ms, 12104ms, 12132ms, 12110ms, 12116ms, 12184ms, 12120ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 24282ms, 24243ms, 24237ms, 24394ms, 24293ms, 24236ms, 24111ms, 24119ms, 24116ms, 24138ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Algorithm: Selection Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Ordered: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Reverse: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms

Array size: 10000

Random: 167ms, 211ms, 193ms, 176ms, 184ms, 177ms, 171ms, 172ms, 174ms, 178ms  
Ordered: 178ms, 183ms, 187ms, 183ms, 185ms, 186ms, 183ms, 200ms, 188ms, 186ms  
Reverse: 187ms, 178ms, 178ms, 174ms, 166ms, 169ms, 169ms, 166ms, 170ms, 164ms

Array size: 100000

Random: 17053ms, 17035ms, 17015ms, 17028ms, 17037ms, 17167ms, 16993ms, 17109ms, 17083ms, 17084ms  
Ordered: 17316ms, 17262ms, 17270ms, 17344ms, 17273ms, 17223ms, 17243ms, 17178ms, 17242ms, 17208ms  
Reverse: 16615ms, 16621ms, 16574ms, 16572ms, 16647ms, 16630ms, 16530ms, 16536ms, 16500ms, 16571ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Algorithm: Merge Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 10000

Random: 5ms, 8ms, 5ms, 5ms, 5ms, 5ms, 4ms, 5ms, 5ms, 5ms

Ordered: 4ms, 5ms, 7ms, 4ms, 4ms, 7ms, 5ms, 8ms, 4ms, 4ms

Reverse: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Array size: 100000

Random: 55ms, 54ms, 57ms, 55ms, 54ms, 57ms, 56ms, 55ms, 61ms, 56ms

Ordered: 46ms, 47ms, 47ms, 47ms, 46ms, 46ms, 48ms, 46ms, 47ms, 47ms

Reverse: 46ms, 47ms, 46ms, 45ms, 48ms, 46ms, 47ms, 47ms, 46ms, 46ms

Array size: 1000000

Random: 597ms, 584ms, 583ms, 590ms, 588ms, 593ms, 588ms, 594ms, 593ms, 590ms

Ordered: 483ms, 489ms, 484ms, 480ms, 487ms, 496ms, 485ms, 483ms, 485ms, 482ms

Reverse: 490ms, 491ms, 486ms, 486ms, 482ms, 488ms, 484ms, 487ms, 488ms, 492ms

Array size: 10000000

Random: 6793ms, 6833ms, 6873ms, 6827ms, 6895ms, 6840ms, 6798ms, 6839ms, 6814ms, 6804ms

Ordered: 5677ms, 5622ms, 5662ms, 5599ms, 5608ms, 5700ms, 5634ms, 5719ms, 5622ms, 5619ms

Reverse: 5679ms, 5582ms, 5669ms, 5595ms, 5645ms, 5606ms, 5662ms, 5628ms, 5639ms, 5590ms

Algorithm: Quick Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 10000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms

Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100000

Random: 14ms, 15ms, 15ms, 15ms, 14ms, 15ms, 15ms, 15ms, 15ms, 15ms

Ordered: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Reverse: 5ms, 5ms, 5ms, 5ms, 4ms, 4ms, 4ms, 5ms, 5ms, 4ms

Array size: 1000000

Random: 175ms, 176ms, 176ms, 174ms, 173ms, 176ms, 173ms, 173ms, 173ms, 173ms

Ordered: 53ms, 54ms, 52ms, 54ms, 53ms, 52ms, 53ms, 52ms, 53ms, 54ms

Reverse: 55ms, 56ms, 55ms, 56ms, 56ms, 56ms, 55ms, 57ms, 56ms, 56ms

Array size: 10000000

Random: 2012ms, 1997ms, 2010ms, 2034ms, 2063ms, 1991ms, 2019ms, 2032ms, 1995ms, 2016ms

Ordered: 608ms, 621ms, 607ms, 619ms, 610ms, 633ms, 610ms, 618ms, 604ms, 639ms

Reverse: 631ms, 665ms, 640ms, 661ms, 644ms, 656ms, 648ms, 647ms, 634ms, 636ms

Algorithm: Bubble Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms  
Ordered: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Reverse: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Array size: 10000

Random: 429ms, 458ms, 485ms, 466ms, 444ms, 457ms, 436ms, 417ms, 441ms, 431ms  
Ordered: 150ms, 151ms, 159ms, 155ms, 154ms, 155ms, 175ms, 170ms, 164ms, 157ms  
Reverse: 493ms, 503ms, 497ms, 486ms, 481ms, 464ms, 469ms, 456ms, 458ms, 462ms

Array size: 100000

Random: 43285ms, 43143ms, 42939ms, 42931ms, 42969ms, 42997ms, 43095ms, 43151ms, 43046ms, 43085ms  
Ordered: 14816ms, 14832ms, 14796ms, 14896ms, 14821ms, 14807ms, 14804ms, 14794ms, 14890ms, 14768ms  
Reverse: 46340ms, 46263ms, 46294ms, 46124ms, 46209ms, 46300ms, 46120ms, 46310ms, 46114ms, 46047ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Algorithm: Insertion Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms, 2ms

Array size: 10000

Random: 117ms, 135ms, 130ms, 125ms, 126ms, 124ms, 121ms, 118ms, 134ms, 119ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 269ms, 265ms, 261ms, 252ms, 241ms, 242ms, 248ms, 240ms, 242ms, 243ms

Array size: 100000

Random: 12156ms, 12143ms, 12096ms, 12118ms, 12104ms, 12132ms, 12110ms, 12116ms, 12184ms, 12120ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 24282ms, 24243ms, 24237ms, 24394ms, 24293ms, 24236ms, 24111ms, 24119ms, 24116ms, 24138ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Algorithm: Selection Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Ordered: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Reverse: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms

Array size: 10000

Random: 167ms, 211ms, 193ms, 176ms, 184ms, 177ms, 171ms, 172ms, 174ms, 178ms  
Ordered: 178ms, 183ms, 187ms, 183ms, 185ms, 186ms, 183ms, 200ms, 188ms, 186ms  
Reverse: 187ms, 178ms, 178ms, 174ms, 166ms, 169ms, 169ms, 166ms, 170ms, 164ms

Array size: 100000

Random: 17053ms, 17035ms, 17015ms, 17028ms, 17037ms, 17167ms, 16993ms, 17109ms, 17083ms, 17084ms  
Ordered: 17316ms, 17262ms, 17270ms, 17344ms, 17273ms, 17223ms, 17243ms, 17178ms, 17242ms, 17208ms  
Reverse: 16615ms, 16621ms, 16574ms, 16572ms, 16647ms, 16630ms, 16530ms, 16536ms, 16500ms, 16571ms

Array size: 1000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

Array size: 10000000

Random: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Ordered: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A  
Reverse: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A

## Algorithm: Merge Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 10000

Random: 5ms, 8ms, 5ms, 5ms, 5ms, 5ms, 4ms, 5ms, 5ms, 5ms  
Ordered: 4ms, 5ms, 7ms, 4ms, 4ms, 7ms, 5ms, 8ms, 4ms, 4ms  
Reverse: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms

Array size: 100000

Random: 55ms, 54ms, 57ms, 55ms, 54ms, 57ms, 56ms, 55ms, 61ms, 56ms  
Ordered: 46ms, 47ms, 47ms, 47ms, 46ms, 46ms, 48ms, 46ms, 47ms, 47ms  
Reverse: 46ms, 47ms, 46ms, 45ms, 48ms, 46ms, 47ms, 47ms, 46ms, 46ms

Array size: 1000000

Random: 597ms, 584ms, 583ms, 590ms, 588ms, 593ms, 588ms, 594ms, 593ms, 590ms  
Ordered: 483ms, 489ms, 484ms, 480ms, 487ms, 496ms, 485ms, 483ms, 485ms, 482ms  
Reverse: 490ms, 491ms, 486ms, 486ms, 482ms, 488ms, 484ms, 487ms, 488ms, 492ms

Array size: 10000000

Random: 6793ms, 6833ms, 6873ms, 6827ms, 6895ms, 6840ms, 6798ms, 6839ms, 6814ms, 6804ms  
Ordered: 5677ms, 5622ms, 5662ms, 5599ms, 5608ms, 5700ms, 5634ms, 5719ms, 5622ms, 5619ms  
Reverse: 5679ms, 5582ms, 5669ms, 5595ms, 5645ms, 5606ms, 5662ms, 5628ms, 5639ms, 5590ms

## Algorithm: Quick Sort

Array size: 10

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 1000

Random: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 10000

Random: 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms, 1ms  
Ordered: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms  
Reverse: 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms, 0ms

Array size: 100000

Random: 14ms, 15ms, 15ms, 15ms, 14ms, 15ms, 15ms, 15ms, 15ms, 15ms  
Ordered: 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms, 4ms  
Reverse: 5ms, 5ms, 5ms, 5ms, 4ms, 4ms, 4ms, 5ms, 4ms, 4ms

Array size: 1000000

Random: 175ms, 176ms, 176ms, 174ms, 173ms, 176ms, 173ms, 173ms, 173ms, 173ms  
Ordered: 53ms, 54ms, 52ms, 54ms, 53ms, 52ms, 53ms, 52ms, 53ms, 54ms  
Reverse: 55ms, 56ms, 55ms, 56ms, 56ms, 56ms, 55ms, 57ms, 56ms, 56ms

Array size: 10000000

Random: 2012ms, 1997ms, 2010ms, 2034ms, 2063ms, 1991ms, 2019ms, 2032ms, 1995ms, 2016ms  
Ordered: 608ms, 621ms, 607ms, 619ms, 610ms, 633ms, 610ms, 618ms, 604ms, 639ms  
Reverse: 631ms, 665ms, 640ms, 661ms, 644ms, 656ms, 648ms, 647ms, 634ms, 636ms



The alignment of this section is a little off due to the escape sequences

Array size: 10

	B	I	S	M	Q
Random:	0ms,	0ms,	0ms,	0ms,	0ms
Ordered:	0ms,	0ms,	0ms,	0ms,	0ms
Reverse:	0ms,	0ms,	0ms,	0ms,	0ms

Array size: 100

	B	I	S	M	Q
Random:	0ms,	0ms,	0ms,	0ms,	0ms
Ordered:	0ms,	0ms,	0ms,	0ms,	0ms
Reverse:	0ms,	0ms,	0ms,	0ms,	0ms

Array size: 1000

	B	I	S	M	Q
Random:	4ms,	1ms,	1ms,	0ms,	0ms
Ordered:	1ms,	0ms,	1ms,	0ms,	0ms
Reverse:	4ms,	2ms,	1ms,	0ms,	0ms

Array size: 10000

	B	I	S	M	Q
Random:	417ms,	117ms,	167ms,	4ms,	1ms
Ordered:	150ms,	0ms,	178ms,	4ms,	0ms
Reverse:	456ms,	240ms,	164ms,	4ms,	0ms

Array size: 100000

	B	I	S	M	Q
Random:	42931ms,	12096ms,	16993ms,	54ms,	14ms
Ordered:	14768ms,	0ms,	17178ms,	46ms,	4ms
Reverse:	46047ms,	24111ms,	16500ms,	45ms,	4ms

Array size: 1000000

	B	I	S	M	Q
Random:	N/A,	N/A,	N/A,	583ms,	173ms
Ordered:	N/A,	N/A,	N/A,	480ms,	52ms
Reverse:	N/A,	N/A,	N/A,	482ms,	55ms

Array size: 10000000

	B	I	S	M	Q
Random:	N/A,	N/A,	N/A,	6793ms,	1991ms
Ordered:	N/A,	N/A,	N/A,	5599ms,	604ms
Reverse:	N/A,	N/A,	N/A,	5582ms,	631ms

Array size: 10

	B	I	S	M	Q
Random:	0ms,	0ms,	0ms,	0ms,	0ms
Ordered:	0ms,	0ms,	0ms,	0ms,	0ms
Reverse:	0ms,	0ms,	0ms,	0ms,	0ms

Array size: 100

	B	I	S	M	Q
Random:	0ms,	0ms,	0ms,	0ms,	0ms
Ordered:	0ms,	0ms,	0ms,	0ms,	0ms
Reverse:	0ms,	0ms,	0ms,	0ms,	0ms

Array size: 1000

	B	I	S	M	Q
Random:	4ms,	1ms,	1ms,	0ms,	0ms
Ordered:	1ms,	0ms,	1ms,	0ms,	0ms
Reverse:	4ms,	2ms,	1ms,	0ms,	0ms

Array size: 10000

	B	I	S	M	Q
Random:	417ms,	117ms,	167ms,	4ms,	1ms
Ordered:	150ms,	0ms,	178ms,	4ms,	0ms
Reverse:	456ms,	240ms,	164ms,	4ms,	0ms

Array size: 100000

	B	I	S	M	Q
Random:	42931ms,	12096ms,	16993ms,	54ms,	14ms
Ordered:	14768ms,	0ms,	17178ms,	46ms,	4ms
Reverse:	46047ms,	24111ms,	16500ms,	45ms,	4ms

Array size: 1000000

	B	I	S	M	Q
Random:	N/A,	N/A,	N/A,	583ms,	173ms
Ordered:	N/A,	N/A,	N/A,	480ms,	52ms
Reverse:	N/A,	N/A,	N/A,	482ms,	55ms

Array size: 10000000

	B	I	S	M	Q
Random:	N/A,	N/A,	N/A,	6793ms,	1991ms
Ordered:	N/A,	N/A,	N/A,	5599ms,	604ms
Reverse:	N/A,	N/A,	N/A,	5582ms,	631ms