Lab 1, Winter 2016
Design Problem Timing
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"Small" File

Trials	Simpsh	Bash	Execline	Korn Sh	Tcsh
1	User: 0.00s Kernel: 0.001s	User: 0.00s Kernel: 0.01s	User: 0.071ss Kernel: 0.009s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.008s
2	User: 0.00s Kernel: 0.002s	User: 0.001s Kernel: 0.003s	User: 0.007s Kernel: 0.002s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.002s
3	User: 0.00s Kernel: 0.00s	User: 0.001s Kernel: 0.008s	User: 0.007s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.00s
4	User: 0.00s Kernel: 0.002s	User: 0.001s Kernel: 0.004s	User: 0.009s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.00s
5	User: 0.00s Kernel: 0.002s	User: 0.001s Kernel: 0.008s	User: 0.007s Kernel: 0.004s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.00s
6	User: 0.00s Kernel: 0.002s	User: 0.000s Kernel: 0.004s	User: 0.020s Kernel: 0.001s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.002s
7	User: 0.00s Kernel: 0.002s	User: 0.001s Kernel: 0.009s	User: 0.007s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.003s
8	User: 0.00s Kernel: 0.002s	User: 0.000s Kernel: 0.004s	User: 0.007s Kernel: 0.002s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.002s
9	User: 0.03s Kernel: 0.005s	User: 0.0036s Kernel: 0.005s	User: 0.017s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.004s
10	User: 0.00s Kernel: 0.004s	User: 0.000s Kernel: 0.004s	User: 0.008s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.005s
Average	User: 0.00s Kernel: 0.002s	User: 0.0015s Kernel: 0.005s	User: 0.016s Kernel: 0.003s	User: 0.00s Kernel: 0.00s	User: 0.00s Kernel: 0.003s

"Medium" File

Trials	Simpsh	Bash	Execline	Korn Sh	Tcsh
1	User: 0.032s Kernel: 0.0056s	User: 0.033s Kernel: 0.007s	User: 0.076s Kernel: 0.007s	User: 0.03s Kernel: 0.00s	User: 0.028s Kernel: 0.008s
2	User: 0.036s Kernel: 0.0021s	User: 0.033s Kernel: 0.007s	User: 0.079s Kernel: 0.013s	User: 0.03s Kernel: 0.00s	User: 0.033s Kernel: 0.002s

	Simpsh	Bash	Execline	Korn Sh	Tcsh
3	User: 0.032s Kernel: 0.0058s	User: 0.034s Kernel: 0.006s	User: 0.059s Kernel: 0.006s	User: 0.03s Kernel: 0.00s	User: 0.033s Kernel: 0.003s
4	User: 0.034s Kernel: 0.0033s	User: 0.036s Kernel: 0.004s	User: 0.073s Kernel: 0.007s	User: 0.03s Kernel: 0.00s	User: 0.034s Kernel: 0.003s
5	User: 0.034s Kernel: 0.003s	User: 0.034s Kernel: 0.006s	User: 0.056s Kernel: 0.004s	User: 0.03s Kernel: 0.00s	User: 0.033s Kernel: 0.002s
6	User: 0.033s Kernel: 0.006s	User: 0.033s Kernel: 0.010s	User: 0.055s Kernel: 0.006s	User: 0.03s Kernel: 0.00s	User: 0.034s Kernel: 0.003s
7	User: 0.033s Kernel: 0.003s	User: 0.031s Kernel: 0.009s	User: 0.053s Kernel: 0.006s	User: 0.03s Kernel: 0.00s	User: 0.034s Kernel: 0.003s
8	User: 0.033s Kernel: 0.003s	User: 0.034s Kernel: 0.006s	User: 0.059s Kernel: 0.008s	User: 0.03s Kernel: 0.00s	User: 0.032s Kernel: 0.003s
9	User: 0.033s Kernel: 0.005s	User: 0.036s Kernel: 0.005s	User: 0.064s Kernel: 0.007s	User: 0.03s Kernel: 0.00s	User: 0.033s Kernel: 0.006s
10	User: 0.034s Kernel: 0.005s	User: 0.035s Kernel: 0.006s	User: 0.060s Kernel: 0.006s	User: 0.03s Kernel: 0.00s	User: 0.032s Kernel: 0.003s
Average	User: 0.033s Kernel: 0.004s	User: 0.034s Kernel: 0.007s	User: 0.063s Kernel: 0.007s	User: 0.03s Kernel: 0.00s	User: 0.00326s Kernel: 0.006s

"Large" File

Trials	Simpsh	Bash	Execline	Korn Sh	Tcsh
1	User: 3.18s Kernel: 0.13s	User: 3.16s Kernel: 0.16s	User: 1.695s Kernel: 0.088s	User: 3.10s Kernel: 0.18s	User: 3.08s Kernel: 0.182s
2	User: 3.12s Kernel: 0.15s	User: 3.113s Kernel: 0.12s	User: 1.475s Kernel: 0.077s	User: 3.12s Kernel: 0.18s	User: 3.09s Kernel: 0.17s
3	User: 3.11s Kernel: 0.16s	User: 3.13s Kernel: 0.17s	User: 2.267s Kernel: 0.097s	User: 3.16s Kernel: 0.20s	User: 3.11s Kernel: 0.152s
4	User: 3.09s Kernel: 0.17s	User: 3.093s Kernel: 0.17s	User: 2.011s Kernel: 0.096s	User: 3.11s Kernel: 0.17ss	User: 3.09s Kernel: 0.182s
5	User: 3.12s Kernel: 0.14s	User: 3.12s Kernel: 0.155s	User: 1.979s Kernel: 0.091s	User: 3.75s Kernel: 0.19s	User: 3.11s Kernel: 0.172s
6	User: 3.69s Kernel: 0.17s	User: 3.088s Kernel: 0.176s	User: 1.618s Kernel: 0.086s	User: 3.10s Kernel: 0.18s	User: 3.1s Kernel: 0.169s
7	User: 3.09s Kernel: 0.15s	User: 3.66s Kernel: 0.169s	User: 1.669s Kernel: 0.076s	User: 3.10s Kernel: 0.19s	User: 3.19s Kernel: 0.173s
8	User: 3.08s	User: 3.118s	User: 1.656s	User: 3.11s	User: 3.13s

	Kernel: 0.18s	Kernel: 0.169s	Kernel: 0.096s	Kernel: 0.18s	Kernel: 0.169s
9	User: 3.18s Kernel: 0.164s	User: 3.28s Kernel: 0.163s	User: 1.789s Kernel: 0.088s	User: 3.14s Kernel: 0.19s	User: 3.14s Kernel: 0.176s
10	User: 3.22s Kernel: 0.146s	User: 3.124s Kernel: 0.153s	User: 1.983s Kernel: 0.084s	User: 3.10s Kernel: 0.19s	User: 3.09s Kernel: 0.181s
Average	User: 3.2s Kernel: 0.139s	User: 3.19s Kernel: 0.16s	User: 1.814s Kernel: 0.089s	User: 3.17s Kernel: 0.19s	User: 3.11s Kernel: 0.173s