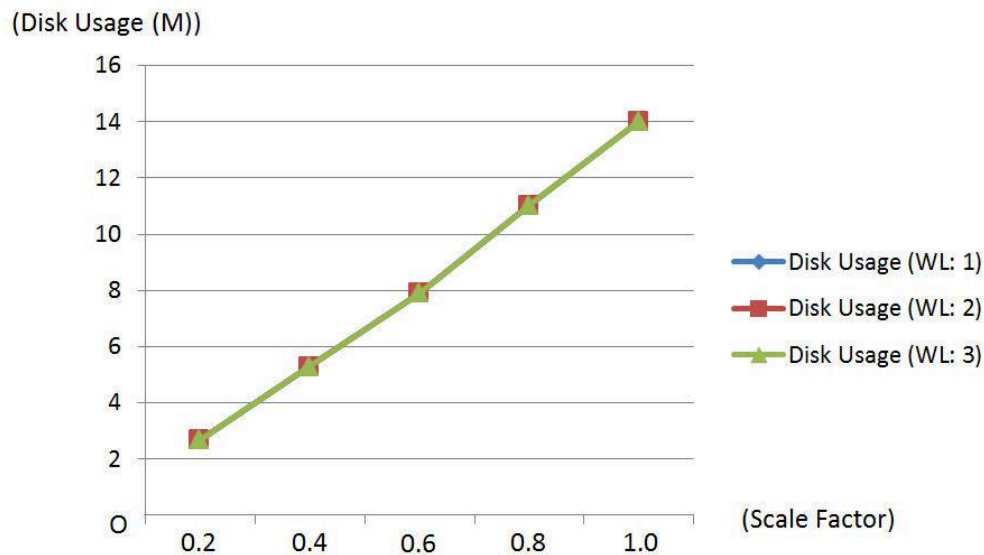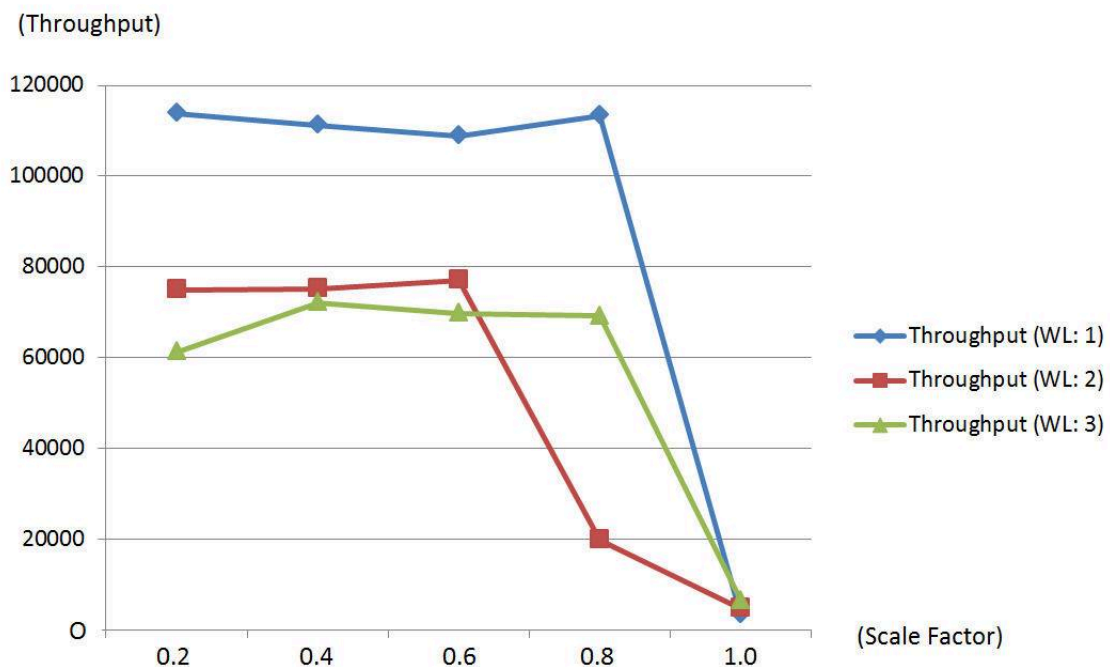William Sun and James Choi – Database Systems Homework 1 Experiments

All page sizes are 4kb

(Disk Usage (M))

With an increasing scale factor, the disk usage linearly increases. This makes sense because the only difference is the amount of data being used in the test. The fact that the disk usage of all three workloads is essentially the same makes sense because the data being processed is the same across all three workloads.

(Throughput)

The fact that WL1 has a consistently higher throughput makes sense because a sequential read would minimize the amount of caching and evicting.