|  |  |  |
| --- | --- | --- |
| Orders Processed | Without multithreading (ms): | With multithreading (ms): |
| 500 | 19662 | 7337 |
| 100 | 4197 | 1773 |
| 50 | 943 | 2341 |
| 10 | 492 | 409 |
| 5 | 240 | 254 |

As you can see, though multithreading begins slower than without multithreading, as the workload increases, multithreading becomes exponentially faster. This is because multithreading inherently has a some overhead, with making threads and scheduling them. As such, when dealing with a small workload, this overhead makes it faster to avoid multithreading. With larger workloads, multithreading’s overhead becomes comparatively smaller and smaller, making it faster.