The following table illustrates the time it takes to process data using a single thread and multiple threads.

|  |  |  |
| --- | --- | --- |
| number of orders | Time of a single thread | Time of multiple threads |
| 50 | 10924 | 2482 |
| 100 | 17533 | 8636 |
| 150 | 19361 | 13145 |
| 200 | 25475 | 20495 |
| 250 | 33952 | 20411 |
| 300 | 38140 | 22915 |
| 350 | 49736 | 24617 |
| 400 | 53387 | 32826 |
| 450 | 65294 | 30737 |
| 500 | 69058 | 32718 |

By using multithreading, multiple orders can be processed in parallel, thus reducing the total processing time.