System Configuration
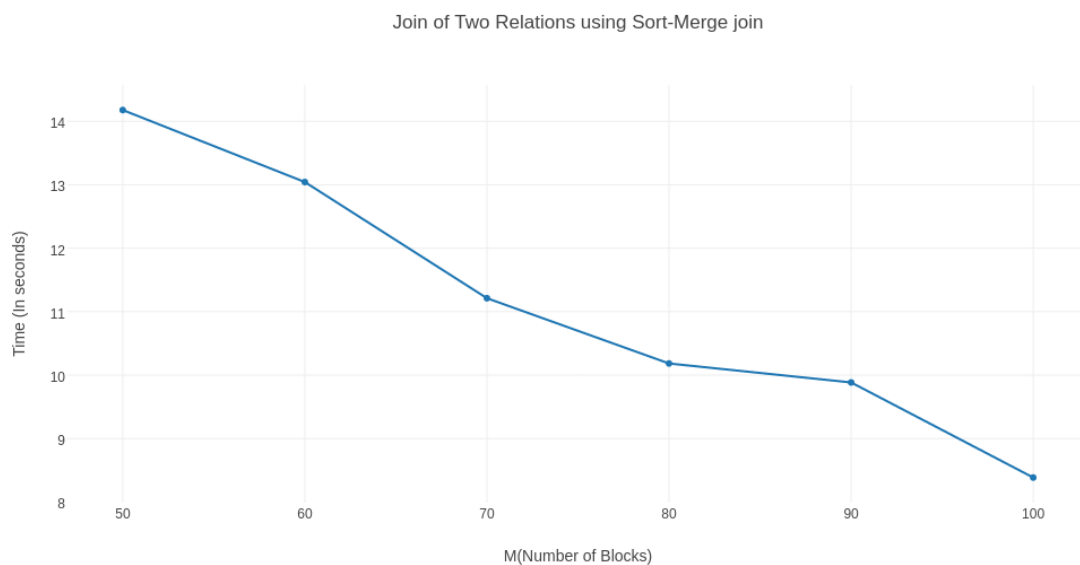**Processor:** Intel® Core™ i3-2350M CPU @ 2.30GHz × 4
Main Memory: 6GB
Operating System: Ubuntu 14.04LTS

Analysis of performance: Join of Two Relations Using Sort Merge Join

100 tuples per Block, Relation 1 size: 800KB, Relation 2 size: 4MB

Record Size(MB)	Time(seconds)
50	14.178
60	13.043
70	11.212
80	10.183
90	4.724
100	9.884

Join of Two Relations using Sort-Merge join

Analysis of performance: Join of Two Relations Using Hash Join

100 tuples per Block, Relation 1 size: 800KB, Relation 2 size: 4MB

Record Size(MB)	Time (seconds)
50	1.432
60	1.448
70	1.365
80	1.336
90	1.292
100	1.33

Join of Two Relations using Hash Join