Database Systems

Assignment 2

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1) System Configuration

Processor: Intel® Core™ i5-5200U CPU @ 2.20GHz × 4
Memory : 7.7 GiB
Hard Disk: 405.4 GB
Base System: Ubuntu 16.04.2 LTS 64-bit

2)Results

1) File Size (MB) vs Time (s)
Fixed Memory allocated – 50 MB

File Size	Time
5	1.34
50	9.41
500	96.64
1024	192.47
2048	413.05
3072	695.43
4096	871.59
5120	1254.32

2) Main Memory (MB) vs Time (s)
Fixed File Size – 512 MB

Main Memory	Time
10	112.26
25	98.71
100	104.74
250	99.22
512	98.47

3.) Graphs