

DB Assignment - 2

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Configuration of Laptop :

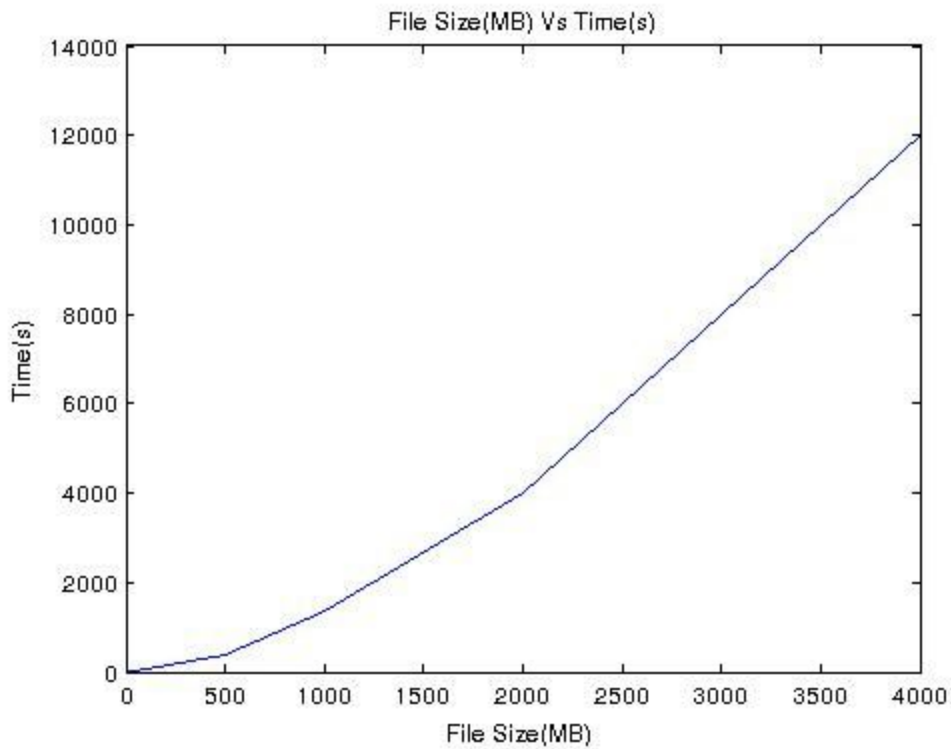
- Memory : 3.7GB
- Processor : Intel® Core™ i5-3210M CPU @ 2.50GHz × 4
- Graphics : Intel® Ivybridge Mobile
- OS type : 64-bit
- Disk : 123.7 GB
- OS : Ubuntu 14.04 LTS

Graph Generation :

1)FileSize(Xaxis) v/s Time(Yaxis)

Take the main memory size as 100 MB and run you alogrithm for file size 5MB, 50MB, 500MB,1GB, 2GB, 3GB, 4GB and 5GB and note the time taken for each run. Plot the graph.

File Size(MB)	Time(s)
5	2.79234
50	33.7406
500	361.063
1000	1361.74
2000	4000.45
3000	8000.78
4000	12000.42



2)Memory Size (Xaxis) v/s Time (Yaxis)

Take a file of size 512MB and run your code with main memory argument as 10 MB, 25 MB,100 MB, 250 MB, 512 MB and note the time taken for each run

Main Memory size(MB)	Time(s)
10	291.677
25	290.897
100	289.308
250	284.951
512	279.007

