

COMP322

HW1 Report

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a).

Type of laptop: MacBook Air, a 16-core Neural Engine with Apple M1 chip, a 8-core CPU with 4 performance cores and 4 efficiency cores, 8GB of Memory, and runs with a speed of 3.2GHz.

b).

Problem #	Parallel Java Streams Execution Time (ms)	Java Streams Execution Time (ms)
Problem 0	5	7
Problem 1	4	12
Problem 2	4	12
Problem 3	2	4
Problem 4	3	13
Problem 5	2	14
Problem 6	1	2
Problem 7	1	3
Problem 8	2	8

c).

According to the table above, parallel Java Streams execution is faster than Java Streams execution, so performance of the parallel Java Streams when compared to the Java Streams is what I expected on the M1 chip Macbook Air that I am running on.

