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**Program Structures & Algorithms**

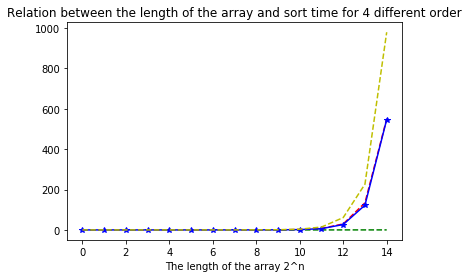
**Fall 2021**

**Assignment No. 2**

* **Task (List down the tasks performed in the Assignment)**
  + **Part 1, Implement Class Timer**
  + **Part 2, Implement Class InsertionSort**
  + **Part 3, Implement main method in InsertionSort and compare the time growth of the 4 kind of order**
* **Relationship Conclusion:**

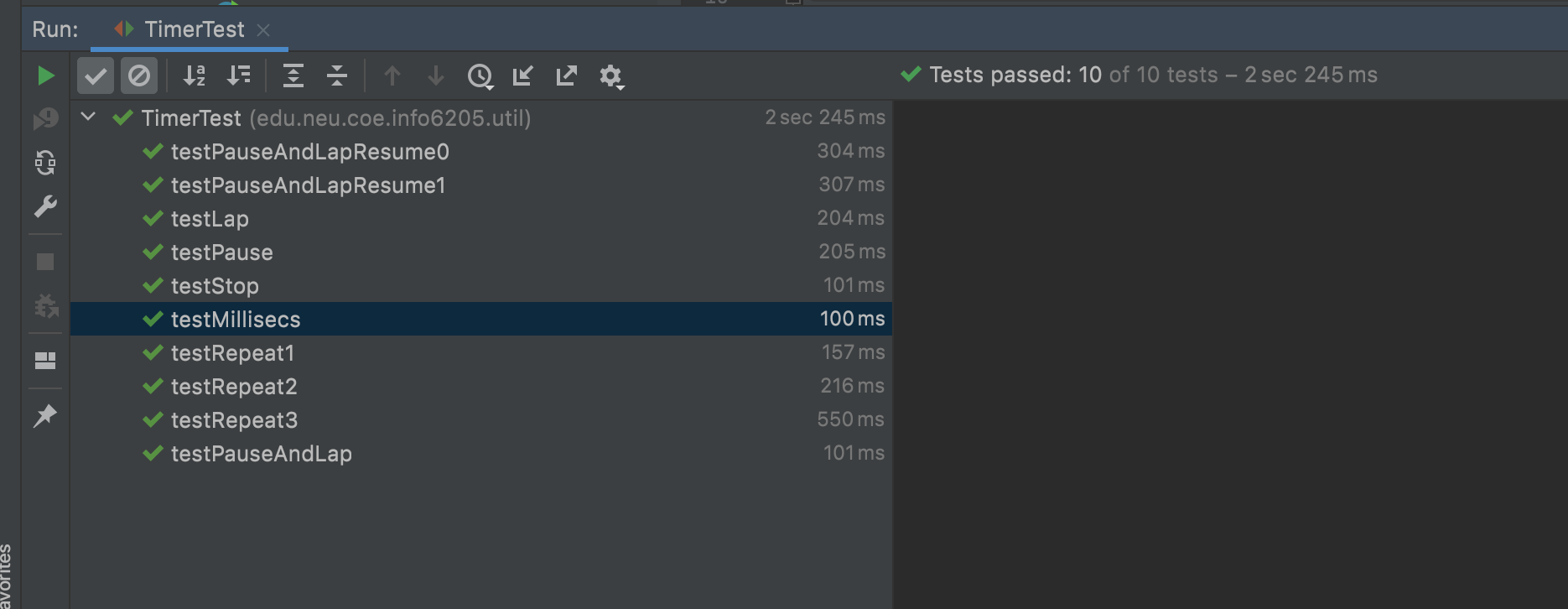
growth(ordered) < growth(random) ≈ growth(partially ordered) < growth(reverse ordered)

* **Evidence to support the conclusion:**

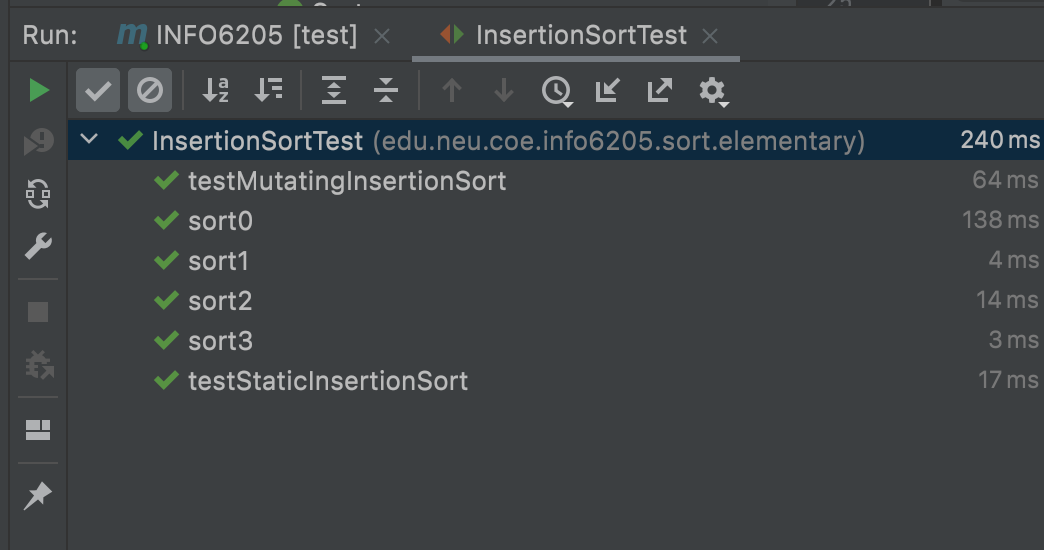
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**Output (Snapshot of Code output in the terminal)**

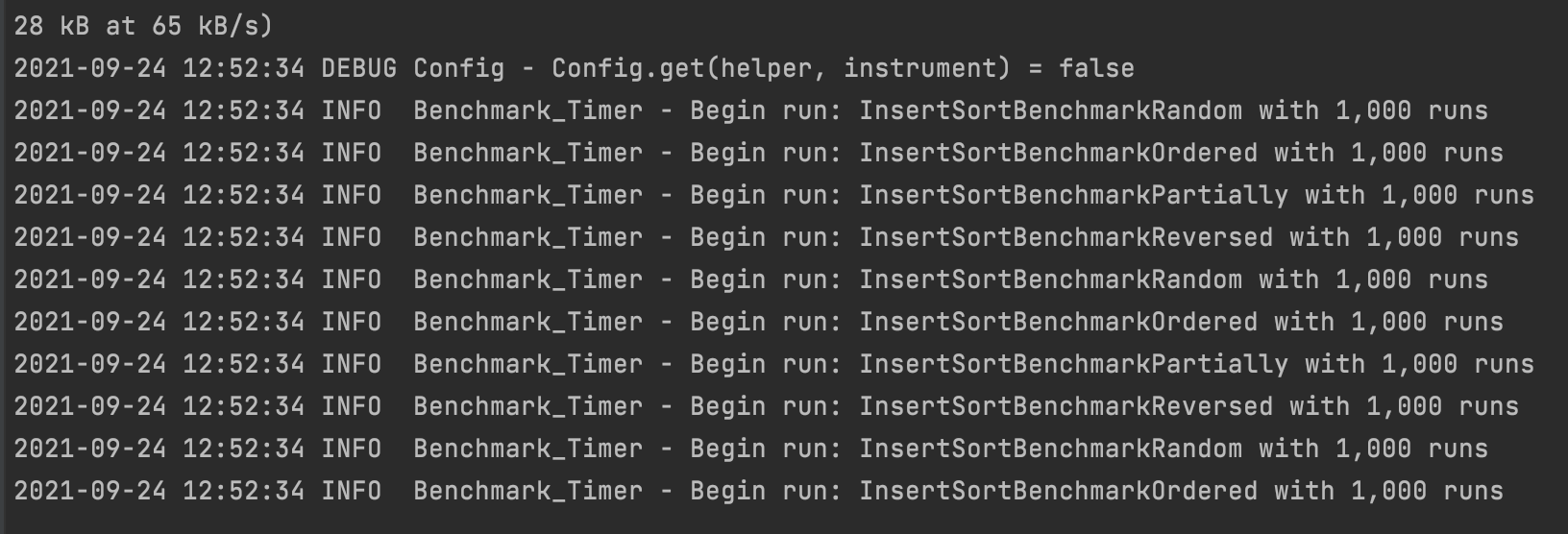
**TimerTest**

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**InsertionSortTest**

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**Main() in InsertionSort.java**

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