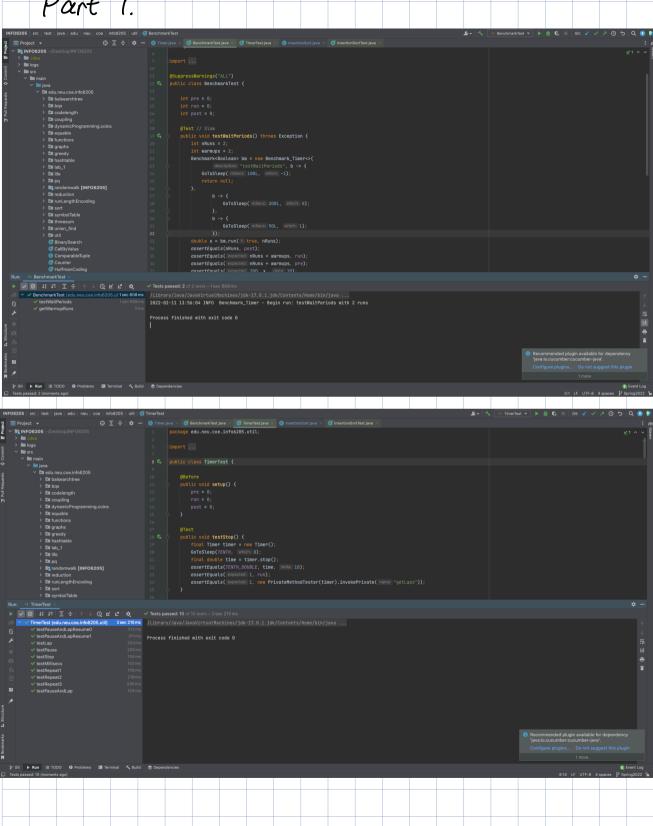
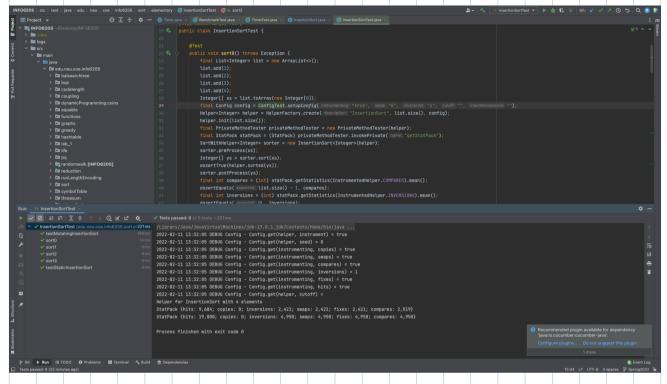
Part



Part 2.



Part 3.

The main method is implemented in Benchmark_Timer.java.

The result and the screenshot are shown below. We can see that
the reverse-ordered array has the highest running times with the worstcase time complexity scenario of O(n²), while the ordered array
has the lowest running times, which corresponds to the best-case
scenario of O(n).

n	Random	Ordered	Partially-Ordered	Reverse-Ordered	
50	1.3820293	0.91175955	0.9132063	0.5452313	12 ————————————————————————————————————
100	0.9143646	1.8336113	1.401332	0.99345255	10
200	1.01796425	1.4506557	1.05725295	0.6673887	10
400	0.8601919	0.42171725	0.76073975	1.1125519	8 —
800	1.7448234	0.68113795	1.1101829	3.04168915	6
1600	8.5165534	0.28226975	4.89894345	10.05614275	
					4
					2
					50 100 200 400 800 1

