Program Structures and Algorithms

Spring 2024

NAME: Siddharth Dumbre

NUID: 002247119

GITHUB LINK: https://github.com/dumbresi/Info-6205-spring2024

Task: Benchmark

Observation:

• Random Ordered

Array Length	Runtime in ms
100	0.12176039
200	0.39804616000000004
400	0.49619586
800	1.4768011300000001
1600	5.97964293

Partially ordered

Array Length	Runtime in ms
100	0.25232501
200	0.28879383000000003
400	0.60559833
800	0.69206495
1600	2.32187962

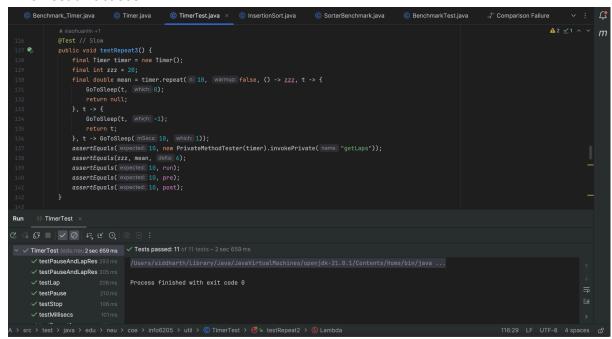
Reverse ordered

Array Length	Runtime in ms
100	0.22033875
200	0.31638787
400	1.1395463
800	2.87590125
1600	11.38694501

Unit Test Screenshots:

Benchmarktest unit cases

TimerTest unit cases



InsertionSortTest unit cases

