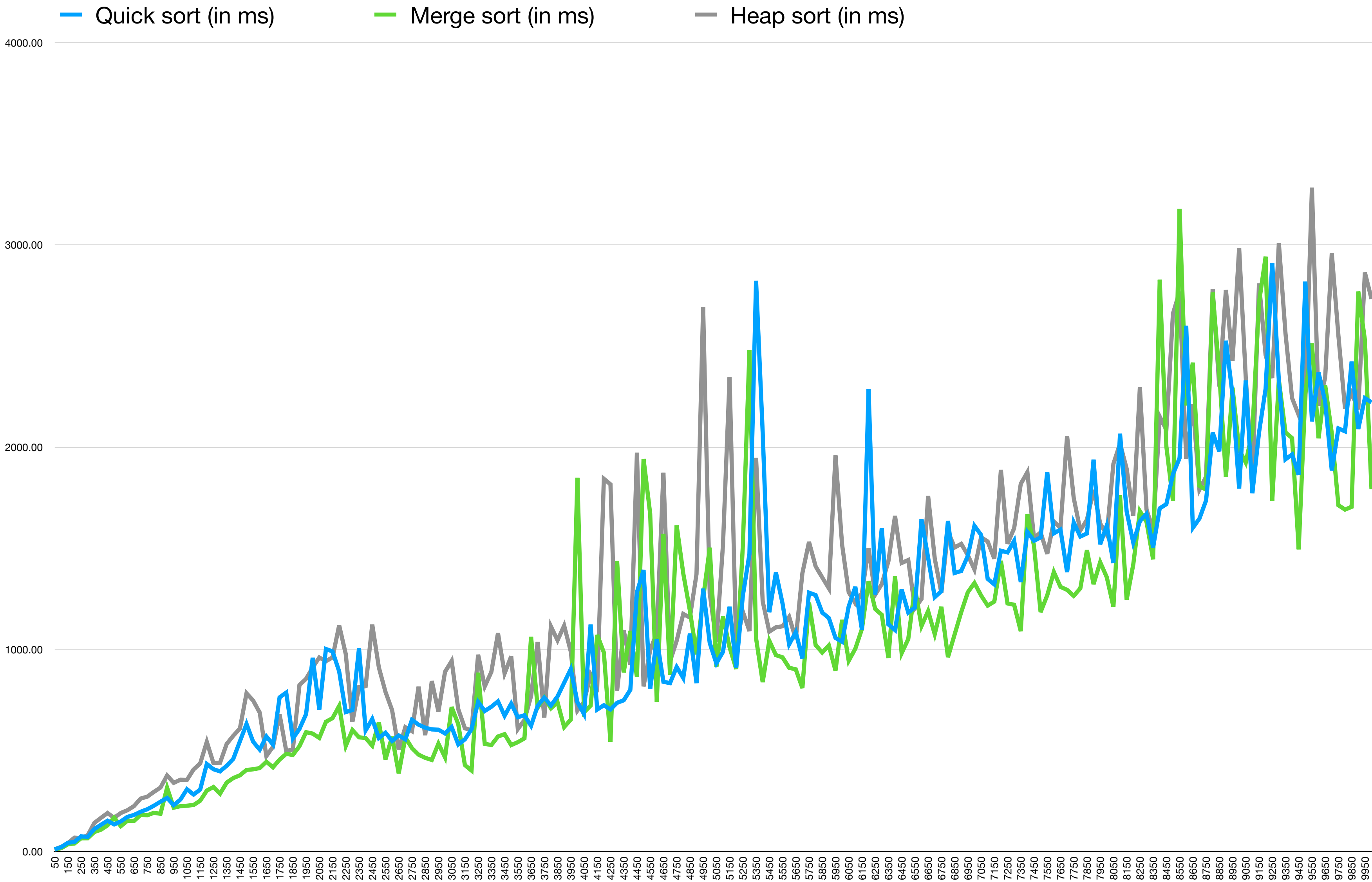


DAA_lab_1			
Size	Merge sort (in ms)	Quick sort (in ms)	Heap sort (in ms)
50	10.50	10.85	11.66
100	17.13	22.51	23.82
150	36.15	43.54	41.85
200	40.42	48.16	69.19
250	66.00	75.59	67.02
300	66.21	73.44	80.88
350	97.15	111.76	141.90
400	108.39	132.82	166.85
450	130.02	152.92	190.99
500	168.64	134.54	167.32
550	125.96	149.54	191.06
600	152.68	171.93	204.87
650	151.62	181.51	225.25
700	182.33	197.24	262.48
750	179.92	209.65	271.77
800	192.13	227.01	295.37
850	187.27	247.14	317.01
900	316.34	265.50	376.80
950	217.36	230.02	340.16
1000	224.81	256.95	355.53
1050	227.16	308.79	354.56
1100	230.63	282.40	406.25
1150	251.94	306.99	436.09
1200	302.00	433.67	542.86
1250	319.46	407.53	438.18
1300	286.20	397.02	439.62
1350	341.44	424.58	532.29
1400	363.93	458.73	573.13
1450	377.34	545.41	608.44
1500	404.14	631.33	783.16
1550	407.07	543.62	747.18
1600	413.28	504.41	687.20
1650	444.54	569.75	472.84
1700	417.13	529.64	518.49
1750	455.12	762.90	678.46
1800	483.43	786.23	498.38
1850	478.08	559.26	504.27
1900	521.27	606.80	823.57
1950	590.68	679.96	854.34
2000	583.63	958.47	910.58
2050	562.31	702.86	959.93
2100	641.81	1001.94	941.74
2150	660.29	990.02	960.50
2200	720.38	891.26	1118.94
2250	522.39	690.10	976.69
2300	601.20	700.17	641.32
2350	565.57	1006.12	813.48
2400	561.47	599.48	817.98
2450	524.09	655.90	1122.52
2500	639.15	561.44	910.46
2550	456.06	588.41	789.84
2600	568.63	547.23	699.42
2650	386.68	574.55	505.03
2700	563.98	555.04	615.29
2750	511.84	651.98	595.74
2800	479.53	627.84	815.55
2850	463.90	613.17	575.95
2900	453.37	604.28	843.56
2950	534.17	603.05	692.35
3000	466.16	584.34	889.20
3050	714.79	615.93	942.99
3100	630.10	530.03	703.96
3150	428.01	554.98	610.09
3200	400.94	605.10	600.02
3250	885.07	740.37	973.66
3300	533.13	695.60	816.77
3350	527.16	716.47	888.97
3400	569.31	743.16	1080.27
3450	580.93	671.95	881.29
3500	526.83	731.78	965.89
3550	541.36	664.57	606.09
3600	560.23	674.54	650.92
3650	1061.97	622.53	769.25
3700	712.24	721.62	1036.58
3750	762.64	761.88	662.64
3800	708.79	722.59	1113.40
3850	738.49	767.28	1044.89
3900	615.88	835.05	1117.26
3950	652.85	902.63	989.36
4000	1848.55	739.12	697.31
4050	688.92	680.40	740.83
4100	721.97	1122.89	876.54
4150	1071.45	702.68	819.93
4200	984.70	723.92	1843.48
4250	542.77	702.85	1816.02
4300	1436.89	736.07	795.46
4350	885.68	748.20	1094.73
4400	1091.21	800.44	924.74
4450	863.43	1282.60	1972.77
4500	1941.58	1392.40	817.25
4550	1670.22	805.62	996.54
4600	740.14	1050.61	1081.59
4650	1571.11	839.81	1873.24
4700	874.14	833.27	940.79
4750	1613.34	912.98	1042.32
4800	1375.21	858.61	1175.26
4850	1191.68	1078.34	1157.30
4900	975.40	833.28	1372.41
4950	1250.88	1300.33	2691.65
5000	1503.02	1031.69	1276.78
5050	914.67	930.78	1037.22
5100	1164.03	988.06	1516.87
5150	1009.98	1210.80	2345.67
5200	903.21	909.60	1017.60
5250	1510.79	1265.02	1186.60
5300	2480.19	1472.01	1090.76
5350	1054.99	2822.82	1946.85
5400	838.14	2073.31	1237.60
5450	1042.58	1183.67	1087.75
5500	971.71	1380.51	1109.23
5550	960.70	1227.16	1114.23
5600	909.02	1025.27	1160.76
5650	901.53	1085.59	1051.54
5700	808.96	955.32	1376.84
5750	1231.43	1280.45	1531.02
5800	1021.80	1268.52	1410.71
5850	984.42	1182.02	1355.51
5900	1019.83	1155.04	1302.07
5950	894.94	1057.08	1958.75
6000	1146.15	1037.71	1517.89
6050	943.75	1212.81	1282.54
6100	1003.38	1309.32	1228.31
6150	1101.53	1096.21	1278.37
6200	1336.94	2286.92	1500.26
6250	1199.67	1271.53	1270.80
6300	1171.11	1600.36	1323.17
6350	957.84	1123.20	1436.36
6400	1362.00	1095.43	1659.96
6450	981.32	1296.72	1427.27
6500	1051.32	1182.17	1441.80
6550	1305.43	1207.44	1204.09
6600	1115.47	1643.98	1249.37
6650	1189.52	1452.90	1758.44
6700	1075.02	1258.03	1449.66

Name: Suraj Prakkash Nair
UCID: 2021510037
Subject: DAA Lab
Experiment: 1



6750	1210.29	1288.22	1279.23
6800	961.69	1635.39	1583.59
6850	1073.37	1377.66	1503.71
6900	1183.87	1387.77	1521.71
6950	1282.57	1462.25	1465.79
7000	1328.44	1610.93	1395.40
7050	1266.81	1566.12	1554.47
7100	1216.42	1348.62	1533.45
7150	1236.14	1321.28	1448.62
7200	1437.93	1487.76	1887.57
7250	1227.35	1479.41	1522.21
7300	1220.61	1536.75	1599.16
7350	1089.92	1333.28	1818.29
7400	1668.41	1580.52	1875.94
7450	1512.40	1536.93	1549.44
7500	1184.41	1553.71	1578.53
7550	1267.46	1877.03	1472.20
7600	1382.59	1573.71	1632.17
7650	1309.23	1592.59	1600.91
7700	1294.25	1382.08	2055.29
7750	1264.55	1627.75	1749.35
7800	1301.77	1557.88	1587.69
7850	1490.74	1573.21	1640.80
7900	1322.53	1938.24	1788.29
7950	1431.28	1519.51	1622.36
8000	1356.71	1612.85	1566.83
8050	1211.06	1426.82	1917.57
8100	1761.36	2066.52	2017.37
8150	1245.82	1661.81	1893.42
8200	1419.61	1528.06	1660.74
8250	1683.73	1633.69	2296.75
8300	1631.22	1670.14	1691.76
8350	1445.10	1504.53	1588.75
8400	2827.64	1697.48	2150.50
8450	2003.78	1717.96	2085.68
8500	1734.16	1865.97	2659.95
8550	3178.61	1946.08	2768.88
8600	2206.52	2600.37	1941.59
8650	2417.68	1600.91	2211.80
8700	1808.71	1646.80	1790.10
8750	1789.12	1736.38	1853.63
8800	2765.33	2071.80	2780.87
8850	2364.53	1979.11	2299.82
8900	1851.85	2526.33	2777.60
8950	2293.86	2259.12	2426.68
9000	1986.76	1794.85	2984.35
9050	1923.66	2329.81	2343.77
9100	2077.96	1772.01	1830.34
9150	2713.68	2071.26	2809.82
9200	2941.61	2288.62	2455.01
9250	1735.32	2910.37	2341.49
9300	2333.45	2328.23	3008.75
9350	2072.58	1939.49	2563.43
9400	2044.92	1963.82	2242.25
9450	1494.39	1863.01	2158.56
9500	2264.63	2818.67	2234.33
9550	2513.35	2127.13	3283.19
9600	2043.62	2368.45	2204.66
9650	2306.12	2224.97	2344.66
9700	2067.96	1884.09	2958.83
9750	1712.83	2092.47	2551.09
9800	1691.24	2078.12	2190.92
9850	1704.75	2422.88	2267.02
9900	2769.42	2089.68	2186.41
9950	2530.34	2241.98	2863.69
10000	1792.48	2221.59	2732.91