	GIT BRANCH NAME	GIT HASH	COMMAND LINE EXECUTED FOR TESTING	TEXT FILE NAME	COUNT OF STRINGS IN TEXT FILE	TYPE OF FILE	EXECUTION TIME CONVERTED TO THE NEARET SECOND	AVERAGE TIME
bubble sort	master	005f3cc	time cat ordered-10e0.txt swift main.swift	ordered-10e0.txt	1	ordered	0.16	
bubble sort	master	005f3cc	time cat ordered-10e0.txt swift main.swift	ordered-10e0.txt	1	ordered	0.147	
bubble sort	master	005f3cc	time cat ordered-10e0.txt swift main.swift	ordered-10e0.txt	1	ordered	0.149	
bubble sort	master	005f3cc	time cat ordered-10e0.txt swift main.swift	ordered-10e0.txt	1	ordered	0.147	0.1522
bubble sort	master	005f3cc	time cat ordered-10e0.txt swift main.swift	ordered-10e0.txt	1	ordered	0.158	0.1522
bubble sort	master	005f3cc	time cat ordered-10e1.txt swift main.swift	ordered-10e1.txt	10	ordered	0.351	
bubble sort	master	005f3cc	time cat ordered-10e1.txt swift main.swift	ordered-10e1.txt	10	ordered	0.349	
bubble sort	master	005f3cc	time cat ordered-10e1.txt swift main.swift	ordered-10e1.txt	10	ordered	0.386	
bubble sort	master	005f3cc	time cat ordered-10e1.txt swift main.swift	ordered-10e1.txt	10	ordered	0.35	0.3606
bubble sort	master	005f3cc	time cat ordered-10e1.txt swift main.swift	ordered-10e1.txt	10	ordered	0.367	0.3606
bubble sort	master	005f3cc	time cat ordered-10e2.txt swift main.swift	ordered-10e2.txt	100	ordered	1.749	
bubble sort	master	005f3cc	time cat ordered-10e2.txt swift main.swift	ordered-10e2.txt	100	ordered	1.75	
bubble sort	master	005f3cc	time cat ordered-10e2.txt swift main.swift	ordered-10e2.txt	100	ordered	1.747	
bubble sort	master	005f3cc	time cat ordered-10e2.txt swift main.swift	ordered-10e2.txt	100	ordered	1.746	1.748
bubble sort	master	005f3cc	time cat ordered-10e2.txt swift main.swift	ordered-10e2.txt	100	ordered	1.748	1.776
bubble sort	master	005f3cc	time cat ordered-10e3.txt swift main.swift	ordered-10e3.txt	1000	ordered	15.951	
bubble sort	master	005f3cc	time cat ordered-10e3.txt swift main.swift	ordered-10e3.txt	1000	ordered	15.952	
bubble sort	master	005f3cc	time cat ordered-10e3.txt swift main.swift	ordered-10e3.txt	1000	ordered	15.95	
bubble sort	master	005f3cc	time cat ordered-10e3.txt swift main.swift	ordered-10e3.txt	1000	ordered	15.947	15.9506
bubble sort	master	005f3cc	time cat ordered-10e3.txt swift main.swift	ordered-10e3.txt	1000	ordered	15.953	13.1306
bubble sort	master	005f3cc	time cat ordered-10e4.txt swift main.swift	ordered-10e4.txt	10000	ordered	26.856	
bubble sort	master	005f3cc	time cat ordered-10e4.txt swift main.swift	ordered-10e4.txt	10000	ordered	26.852	
bubble sort	master	005f3cc	time cat ordered-10e4.txt swift main.swift	ordered-10e4.txt	10000	ordered	26.851	
bubble sort	master	005f3cc	time cat ordered-10e4.txt swift main.swift	ordered-10e4.txt	10000	ordered	26.856	26.8536
bubble sort	master	005f3cc	time cat ordered-10e4.txt swift main.swift	ordered-10e4.txt	10000	ordered	26.853	20.000
bubble sort	master	005f3cc	time cat ordered-10e5.txt swift main.swift	ordered-10e5.txt	100000	ordered	49.296	
bubble sort	master	005f3cc	time cat ordered-10e5.txt swift main.swift	ordered-10e5.txt	100000	ordered	49.296	
bubble sort	master	005f3cc	time cat ordered-10e5.txt swift main.swift	ordered-10e5.txt	100000	ordered	49.296	
bubble sort	master	005f3cc	time cat ordered-10e5.txt swift main.swift	ordered-10e5.txt	100000	ordered	49.296	49.296
bubble sort	master	005f3cc	time cat ordered-10e5.txt swift main.swift	ordered-10e5.txt	100000	ordered	49.296	1 1.2 10
bubble sort	master	005f3cc	time cat ordered.txt swift main.swift	ordered.txt	102401	ordered	63.601	
bubble sort	master	005f3cc	time cat ordered.txt swift main.swift	ordered.txt	102401	ordered	63.601	
bubble sort	master	005f3cc	time cat ordered.txt swift main.swift	ordered.txt	102401	ordered	63.601	
bubble sort	master	005f3cc	time cat ordered.txt swift main.swift	ordered.txt	102401	ordered	63.601	63.601
bubble sort	master	005f3cc	time cat ordered.txt swift main.swift	ordered.txt	102401	ordered	63.601	00.00
		0057			_		0.55	
bubble sort	master	005f3cc	time cat reverse-ordered-10e0.txt swift main.swift	reverse-ordered-10e0.txt	1	reverse-ordered	0.26	
bubble sort	master	005f3cc	time cat reverse-ordered-10e0.txt swift main.swift	reverse-ordered-10e0.txt	1	reverse-ordered	0.26	
bubble sort	master	005f3cc	time cat reverse-ordered-10e0.txt swift main.swift	reverse-ordered-10e0.txt	1	reverse-ordered	0.26	
bubble sort	master	005f3cc	time cat reverse-ordered-10e0.txt swift main.swift	reverse-ordered-10e0.txt	1	reverse-ordered	0.26	0.26
bubble sort	master	005f3cc	time cat reverse-ordered-10e0.txt swift main.swift	reverse-ordered-10e0.txt	1	reverse-ordered	0.26	
bubble sort	master	005f3cc	time cat reverse-ordered-10e1.txt swift main.swift	reverse-ordered-10e1.txt	10	reverse-ordered	0.175	

	GIT BRANCH NAME	GIT HASH	COMMAND LINE EXECUTED FOR TESTING	TEXT FILE NAME	Count of strings in TEXT FILE	Type of file	EXECUTION TIME CONVERTED TO THE NEARET SECOND	AVERAGE TIME
bubble sort	master	005f3cc	time cat reverse-ordered-10e1.txt swift main.swift	reverse-ordered-10e1.txt	10	reverse-ordered	0.15	
bubble sort	master	005f3cc	time cat reverse-ordered-10e1.txt swift main.swift	reverse-ordered-10e1.txt	10	reverse-ordered	0.148	
bubble sort	master	005f3cc	time cat reverse-ordered-10e1.txt swift main.swift	reverse-ordered-10e1.txt	10	reverse-ordered	0.16	01562
bubble sort	master	005f3cc	time cat reverse-ordered-10e1.txt swift main.swift	reverse-ordered-10e1.txt	10	reverse-ordered	0.148	0.1562
bubble sort	master	005f3cc	time cat reverse-ordered-10e2.txt swift main.swift	reverse-ordered-10e2.txt	100	reverse-ordered	1.956	
bubble sort	master	005f3cc	time cat reverse-ordered-10e2.txt swift main.swift	reverse-ordered-10e2.txt	100	reverse-ordered	1.958	
bubble sort	master	005f3cc	time cat reverse-ordered-10e2.txt swift main.swift	reverse-ordered-10e2.txt	100	reverse-ordered	1.966	
bubble sort	master	005f3cc	time cat reverse-ordered-10e2.txt swift main.swift	reverse-ordered-10e2.txt	100	reverse-ordered	1.952	10570
bubble sort	master	005f3cc	time cat reverse-ordered-10e2.txt swift main.swift	reverse-ordered-10e2.txt	100	reverse-ordered	1.957	1.9578
bubble sort	master	005f3cc	time cat reverse-ordered-10e3.txt swift main.swift	reverse-ordered-10e3.txt	1000	reverse-ordered	16.806	
bubble sort	master	005f3cc	time cat reverse-ordered-10e3.txt swift main.swift	reverse-ordered-10e3.txt	1000	reverse-ordered	16.816	
bubble sort	master	005f3cc	time cat reverse-ordered-10e3.txt swift main.swift	reverse-ordered-10e3.txt	1000	reverse-ordered	16.81	
bubble sort	master	005f3cc	time cat reverse-ordered-10e3.txt swift main.swift	reverse-ordered-10e3.txt	1000	reverse-ordered	16.812	16 0126
bubble sort	master	005f3cc	time cat reverse-ordered-10e3.txt swift main.swift	reverse-ordered-10e3.txt	1000	reverse-ordered	16.819	16.8126
			'					
bubble sort	master	005f3cc	time cat reverse-ordered-10e4.txt swift main.swift	reverse-ordered-10e4.txt	10000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e4.txt swift main.swift	reverse-ordered-10e4.txt	10000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e4.txt swift main.swift	reverse-ordered-10e4.txt	10000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e4.txt swift main.swift	reverse-ordered-10e4.txt	10000	reverse-ordered	301	201
bubble sort	master	005f3cc	time cat reverse-ordered-10e4.txt swift main.swift	reverse-ordered-10e4.txt	10000	reverse-ordered	301	301
bubble sort	master	005f3cc	time cat reverse-ordered-10e5.txt swift main.swift	reverse-ordered-10e5.txt	100000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e5.txt swift main.swift	reverse-ordered-10e5.txt	100000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e5.txt swift main.swift	reverse-ordered-10e5.txt	100000	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered-10e5.txt swift main.swift	reverse-ordered-10e5.txt	100000	reverse-ordered	301	301
bubble sort	master	005f3cc	time cat reverse-ordered-10e5.txt swift main.swift	reverse-ordered-10e5.txt	100000	reverse-ordered	301	301
bubble sort	master	005f3cc	time cat reverse-ordered.txt swift main.swift	reverse-ordered.txt	102401	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered.txt swift main.swift	reverse-ordered.txt	102401	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered.txt swift main.swift	reverse-ordered.txt	102401	reverse-ordered	301	
bubble sort	master	005f3cc	time cat reverse-ordered.txt swift main.swift	reverse-ordered.txt	102401	reverse-ordered	301	301
bubble sort	master	005f3cc	time cat reverse-ordered.txt swift main.swift	reverse-ordered.txt	102401	reverse-ordered	301	301
bubble sort	master	005f3cc	time cat random-10e0.txt swift main.swift	random-10e0.txt	1	random	175	
bubble sort	master	005f3cc	time cat random-10e0.txt swift main.swift	random-10e0.txt	1	random	15	
bubble sort	master	005f3cc	time cat random-10e0.txt swift main.swift	random-10e0.txt	1	random	148	
bubble sort	master	005f3cc	time cat random-10e0.txt swift main.swift	random-10e0.txt	1	random	16	100.4
bubble sort	master	005f3cc	time cat random-10e0.txt swift main.swift	random-10e0.txt	1	random	148	ד.טטו
bubble sort	master	005f3cc	time cat random-10e1.txt swift main.swift	random-10e1.txt	10	random	1.956	
bubble sort	master	005f3cc	time cat random-10e1.txt swift main.swift	random-10e1.txt	10	random	1.958	
bubble sort	master	005f3cc	time cat random-10e1.txt swift main.swift	random-10e1.txt	10	random	1.966	
bubble sort	master	005f3cc	time cat random-10e1.txt swift main.swift	random-10e1.txt	10	random	1.952	1.9578
bubble sort	master	005f3cc	time cat random-10e1.txt swift main.swift	random-10e1.txt	10	random	1.957	1,1378
bubble sort	master	005f3cc	time cat random-10e2.txt swift main.swift	random-10e2.txt	100	random	16.806	
bubble sort	master	005f3cc	time cat random-10e2.txt swift main.swift	random-10e2.txt	100	random	16.816	

	GIT BRANCH NAME	GIT HASH	COMMAND LINE EXECUTED FOR TESTING	TEXT FILE NAME	Count of strings in Text file	TYPE OF FILE	EXECUTION TIME CONVERTED TO THE NEARET SECOND	AVERAGE TIME
bubble sort	master	005f3cc	time cat random-10e2.txt swift main.swift	random-10e2.txt	100	random	16.81	
bubble sort	master	005f3cc	time cat random-10e2.txt swift main.swift	random-10e2.txt	100	random	16.812	16.8126
bubble sort	master	005f3cc	time cat random-10e2.txt swift main.swift	random-10e2.txt	100	random	16.819	10.0120
bubble sort	master	005f3cc	time cat random-10e3.txt swift main.swift	random-10e3.txt	1000	random	301	
bubble sort	master	005f3cc	time cat random-10e3.txt swift main.swift	random-10e3.txt	1000	random	301	
bubble sort	master	005f3cc	time cat random-10e3.txt swift main.swift	random-10e3.txt	1000	random	301	
bubble sort	master	005f3cc	time cat random-10e3.txt swift main.swift	random-10e3.txt	1000	random	301	301
bubble sort	master	005f3cc	time cat random-10e3.txt swift main.swift	random-10e3.txt	1000	random	301	301
bubble sort	master	005f3cc	time cat random-10e4.txt swift main.swift	random-10e4.txt	10000	random	301	
bubble sort	master	005f3cc	time cat random-10e4.txt swift main.swift	random-10e4.txt	10000	random	301	
bubble sort	master	005f3cc	time cat random-10e4.txt swift main.swift	random-10e4.txt	10000	random	301	
bubble sort	master	005f3cc	time cat random-10e4.txt swift main.swift	random-10e4.txt	10000	random	301	301
bubble sort	master	005f3cc	time cat random-10e4.txt swift main.swift	random-10e4.txt	10000	random	301	301
bubble sort	master	005f3cc	time cat random-10e5.txt swift main.swift	random-10e5.txt	100000	random	301	
bubble sort	master	005f3cc	time cat random-10e5.txt swift main.swift	random-10e5.txt	100000	random	301	
bubble sort	master	005f3cc	time cat random-10e5.txt swift main.swift	random-10e5.txt	100000	random	301	
bubble sort	master	005f3cc	time cat random-10e5.txt swift main.swift	random-10e5.txt	100000	random	301	301
bubble sort	master	005f3cc	time cat random-10e5.txt swift main.swift	random-10e5.txt	100000	random	301	301
bubble sort	master	005f3cc	time cat random.txt swift main.swift	random.txt	102401	random	301	
bubble sort	master	005f3cc	time cat random.txt swift main.swift	random.txt	102401	random	301	
bubble sort	master	005f3cc	time cat random.txt swift main.swift	random.txt	102401	random	301	
bubble sort	master	005f3cc	time cat random.txt swift main.swift	random.txt	102401	random	301	301
bubble sort	master	005f3cc	time cat random.txt swift main.swift	random.txt	102401	random	301	301