ORMBattle.NET test results

Visit http://ormbattle.net for details

Test name	Minimum	Maximum	SqlClient	Entity Framework	BLToolkit	Lightspeed	NHibernate	OpenAccess	Subsonic	Unit
LINQ implementation										LINQ implementation
Aggregates	0	5	n/a	0	n/a	3	3	1	n/a	f,a
All/Any/Contains	0	6	n/a	3	n/a	6	4,2	4	n/a	f,a
Complex	0	6	n/a	1	n/a	6	6	6	n/a	f,a
Element operations	0	9	n/a	4	n/a	6	6	5	n/a	f,a
Filtering	0	12	n/a	4,2	n/a	5,5	6,1	2	n/a	f,a
Grouping	0	10,2	n/a	1	n/a	10	10,2	5	n/a	f,a
Join	0	4	n/a	1	n/a	4	4	4	n/a	f,a
Ordering	0	8	n/a	3,2	n/a	5,1	6	6	n/a	f,a
Projections	0	13	n/a	2	n/a	9,2	6,1	8,1	n/a	f,a
References	0	4	n/a	0	n/a	4	3	2	n/a	f,a
Set operations	0	9	n/a	0	n/a	5,1	6,2	9	n/a	f,a
Standard functions	0	21	n/a	9	n/a	8	16	11	n/a	f,a
Take/Skip	0	5	n/a	1	n/a	2,1	2,1	2	n/a	f,a
Type casts	0	5	n/a	1	n/a	3,1	4	2	n/a	f,a
LINQ Implementation total:										
Performed	0	117	n/a	117	n/a	117	117	117	n/a	#
Passed	0	117	n/a	87	n/a	41	35	50	n/a	#
Failed	0	117	n/a	30	n/a	76	82	67	n/a	#
Properly	0	117	n/a	26	n/a	65	73	66	n/a	#
Asserted	0	15	n/a	4	n/a	11	9	1	n/a	#
Score	0	100	n/a	74	n/a	35	30	43	n/a	%

Color bar				Worst result					Best result	

Units:	
f/a	total count of failed tests [/ count of tests failed with assertion], less is better (0 is ideal)
#	count
%	percentage (% of passed tests), more is better

							1000 item sequence			
Test name	Minimum	Maximum	SqlClient	Entity Framework	BLToolkit	Lightspeed	NHibernate	OpenAccess	Subsonic	Unit
CRUD Performance:										
Fetch	0		**18 738**	4 819	15 478	10 717	7 358	6 512	8 949	op/s
Single Operation:										
Create Instance	0		**10 688**	4 629	9 590	5 063	3 695	9 923	2 920	op/s
Update Instance	0		**15 379**	4 407	13 207	4 968	898	9 189	4 047	op/s
Remove Instance	0		**16 281**	5 916	14 104	4 823	1 473	10 946	4 315	op/s
CUD Average	0		**13 635**	4 902	11 957	4 949	1 454	9 968	3 652	op/s
Multiple Operations:										
Create Instance	0		**21 779**	6 097	22 605	12 600	12 433	15 898	2 699	op/s
Update Instance	0		**64 662**	5 954	63 917	28 472	16 890	15 140	4 055	op/s
Remove Instance	0		**24 219**	9 844	78 010	26 553	17 837	60 533	4 433	op/s
CUD Average	0		**29 219**	6 919	41 264	19 717	15 329	20 622	3 559	op/s
Data Access Performance:										
Query:										
LINQ Query	0		**n/a**	457	9 021	1 321	1 170	4 164	353	queries/s
Compiled LINQ Query	0		**n/a**	5 750	n/a	n/a	n/a	4 278	n/a	queries/s
Native Query	0		**15 828**	9 737	17 139	10 397	5 534	6 383	7 320	queries/s
Paging (LINQ only):										
Get Small Page (10 items)	0		**n/a**	4 470	6 912	1 135	921	3 312	326	pages/s
Get Average Page (20 items)	0		**n/a**	3 741	6 335	1 179	733	2 839	302	pages/s
Get Large Page (50 items)	0		**n/a**	2 445	5 046	1 075	553	2 025	266	pages/s
Get Huge Page (100 items)	0		**n/a**	1 577	3 796	921	363	1 400	212	pages/s
Materialization:										
LINQ Materialize	0		**n/a**	254 939	480 122	369 467	40 131	188 068	48 628	objects/s
Native Materialize	0		**1 207 146**	465 073	751 879	422 332	53 329	234 329	57 411	objects/s
File sizes (in bytes):										
Original .cs + mapping files			**n/a**	58 171	10 350	14 762	31 541	50 240	0	0
Generated .cs files			**n/a**	126 449	0	32 121	0	0	124 093	124 093
Runtime libraries (.dlls)			**n/a**	2 879 448	1 102 848	347 136	2 195 968	3 607 552	280 064	280 064
Color bar					**Worst result**				**Best result**	

Units:

op/s	operations per second, more is better
queries/s	queries per second, more is better
pages/s	pages per second, more is better
objects/s	# of materialized objects per second, more is better

Larger = better!

LINQ implementation score
of passing tests out of 100

Subsonic	
OpenAccess	
NHibernate	
Lightspeed	
BLToolkit	
Entity Framework	

Queries

of queries per second

Subsonic

OpenAccess

NHibernate

of

Subsonic

OpenAccess

NHibernate