CSE370 : Database Systems

Assignment 01| Summer 2025

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No 1 Query (as Plain Text)	create table Developers(member_id int,name varchar(30),email varchar(50),influence_count char(6), Joining_date date,multiplier int);
No 1 SS (of Query & Output in Shell)	
No 2 Query (as Plain Text)	alter table Developers change column influence_count followers int;

Result Grid table:

member_id	name	email	influence_count	Joining_date	multiplier
1	Taylor Otwell	otwell@laravel.com	739360	2020-06-10	10
2	Ryan Dahl	ryan@nodejs.org	633632	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
4	Evan You	you@vuejs.org	982630	2020-06-11	7
5	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
6	Guido van Rossum	guido@python.org	968827	2020-07-18	19
7	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	5
8	Simon Willison	simon@djangoproject.com	864615	2020-04-30	4
9	James Gosling	james@java.com	719491	2020-05-18	5
10	Rod Johnson	rod@spring.io	601744	2020-05-18	7
11	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

No 2 SS (of Query & Output in Shell)	

	member_id	name	email	followers	Joining_date	multiplier
▶	1	Taylor Otwell	otwell@laravel.com	739360	2020-06-10	10
	2	Ryan Dahl	ryan@nodejs.org	633632	2020-04-22	10
	3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
	4	Evan You	you@vuejs.org	982630	2020-06-11	7
	5	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
	6	Guido van Rossum	guido@python.org	968827	2020-07-18	19
	7	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	5
	8	Simon Willison	simon@djangoproject.com	864615	2020-04-30	4
	9	James Gosling	james@java.com	719491	2020-05-18	5
	10	Rod Johnson	rod@spring.io	601744	2020-05-18	7
	11	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ‡A

No 3 Query (as Plain Text)	update Developers set followers = followers+10;

No 3 SS (of Query & Output in Shell)						
	member_id	name	email	followers	Joining_date	multiplier
	1	Taylor Otwell	otwell@laravel.com	739370	2020-06-10	10
	2	Ryan Dahl	ryan@nodejs.org	633642	2020-04-22	10
	3	Brendan Eich	eich@javascript.com	939580	2020-05-07	8
	4	Evan You	you@vuejs.org	982640	2020-06-11	7
	5	Rasmus Lerdorf	lerdorf@php.net	937937	2020-06-03	8
	6	Guido van Rossum	guido@python.org	968837	2020-07-18	19
	7	Adrian Holovaty	adrian@djangoproject.com	570734	2020-05-07	5
	8	Simon Willison	simon@djangoproject.com	864625	2020-04-30	4
	9	James Gosling	james@java.com	719501	2020-05-18	5
	10	Rod Johnson	rod@spring.io	601754	2020-05-18	7
	11	Satoshi Nakamoto	nakamoto@blockchain.com	630498	2020-05-10	10

No 4 Query (as Plain Text)	select name,((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;

No 4 SS (of Query & Output in Shell)	Result Grid ⊞ ↻ Filter Rows:
	name · Efficiency
	Taylor Otwell · 36.968500000000
	Ryan Dahl · 31.682100000000
	Brendan Eich · 37.583200000000
	Evan You · 34.392400000000
	Rasmus Lerdorf · 37.517480000000
	Guido van Rossum · 92.039515000000
	Adrian Holovaty · 14.268350000000
	Simon Willison · 17.292500000000
	James Gosling · 17.987525000000
	Rod Johnson · 21.061390000000
	Satoshi Nakamoto · 31.524900000000
No 5 Query (as Plain Text)	select upper(name),Joining_date from Developers order by Joining_date desc;

No 5 SS (of Query & Output in Shell)	Result Grid | Filter Rows: | Export: | Wrap Cell Content:
	<table><tr><td>upper(name)</td><td>Joining_date</td></tr><tr><td>GUIDO VAN ROSSUM</td><td>2020-07-18</td></tr><tr><td>EVAN YOU</td><td>2020-06-11</td></tr><tr><td>TAYLOR OTWELL</td><td>2020-06-10</td></tr><tr><td>RASMUS LERDORF</td><td>2020-06-03</td></tr><tr><td>JAMES GOSLING</td><td>2020-05-18</td></tr><tr><td>ROD JOHNSON</td><td>2020-05-18</td></tr><tr><td>SATOSHI NAKAMOTO</td><td>2020-05-10</td></tr><tr><td>BRENDAN EICH</td><td>2020-05-07</td></tr><tr><td>ADRIAN HOLOVATY</td><td>2020-05-07</td></tr><tr><td>SIMON WILLISON</td><td>2020-04-30</td></tr><tr><td>RYAN DAHL</td><td>2020-04-22</td></tr></table>
No 6 Query (as Plain Text)	select member_id,name,email,followers from developers where email like "%.com" or email like "%.net";

No 6 SS (of Query & Output in Shell)	

	member_id	name	email	followers
▶	1	Taylor Otwell	otwell@laravel.com	739370
	3	Brendan Eich	eich@javascript.com	939580
	5	Rasmus Lerdorf	lerdorf@php.net	937937
	7	Adrian Holovaty	adrian@djangoproject.com	570734
	8	Simon Willison	simon@djangoproject.com	864625
	9	James Gosling	james@java.com	719501
	11	Satoshi Nakamoto	nakamoto@blockchain.com	630498

No 7 Query (as Plain Text)

No 7 SS (of Query & Output in Shell)