CSE370: Database Systems

Assignment 01/02/03 | Spring 2025

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```
No 1 Query
                          mysql -u root -p
(as Plain Text)
                          create database google 24241122;
                          use google_24241122;
                          create table Developers
                            -> (
                            -> member id INT PRIMARY KEY,
                            -> name varchar(50),
                            -> email varchar(50),
                            -> influence count INT,
                            -> Joining date date,
                            -> multiplier int(4)
                            -> );
                          insert into Developers values
                            -> ('1','Taylor Otwell','otwell@laravel.com',739360,'2020-6-10',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,'2020-06-3',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 1 SS	
(of Query & Output	
in Shell)	



No 2 Query (as Plain Text) alter table Developers change influence_count followers int;

No 2 SS	
(of Query & Output	t
in Shell)	

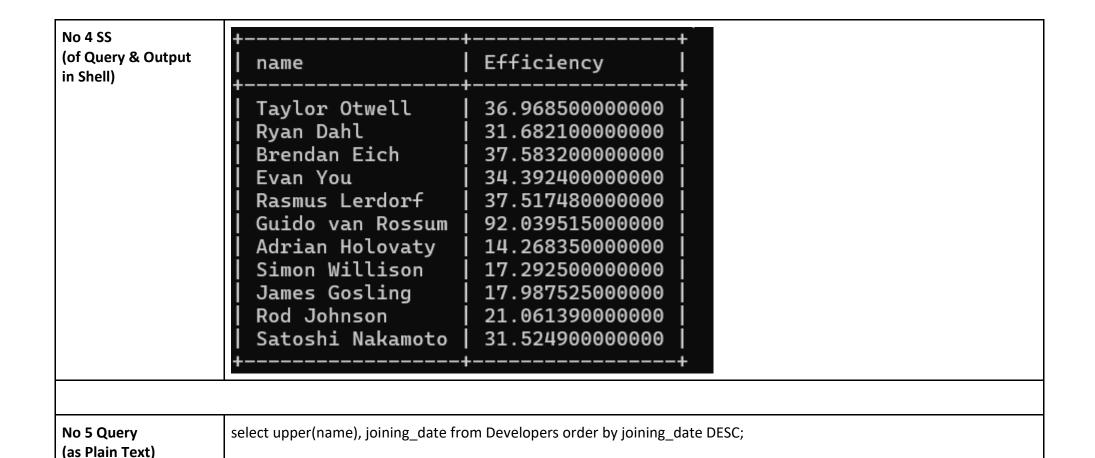
MariaDB [goog	gle_24241122]> selec	ct * from Developers;	1		
member_id	name	email	followers	Joining_date	multiplier
1 2 3	Taylor Otwell Ryan Dahl Brendan Eich	otwell@laravel.com ryan@nodejs.org eich@javascript.com	739360 633632 939570	2020-06-10 2020-04-22 2020-05-07	10 10 8
4 5	Evan You Rasmus Lerdorf	you@vuejs.org lerdorf@php.net	982630 937927	2020-06-11 2020-06-03	7 8
6 7 8	Guido van Rossum Adrian Holovaty Simon Willison	guido@python.org adrian@djangoproject.com simon@djangoproject.com	968827 570724 864615	2020-07-18 2020-05-07 2020-04-30	19 5
9 10	James Gosling Rod Johnson	james@java.com rod@spring.io	719491 601744	2020-05-18 2020-05-18	5 7
11	Satoshi Nakamoto	nakamoto@blockchain.com	630488 +	2020-05-10	10

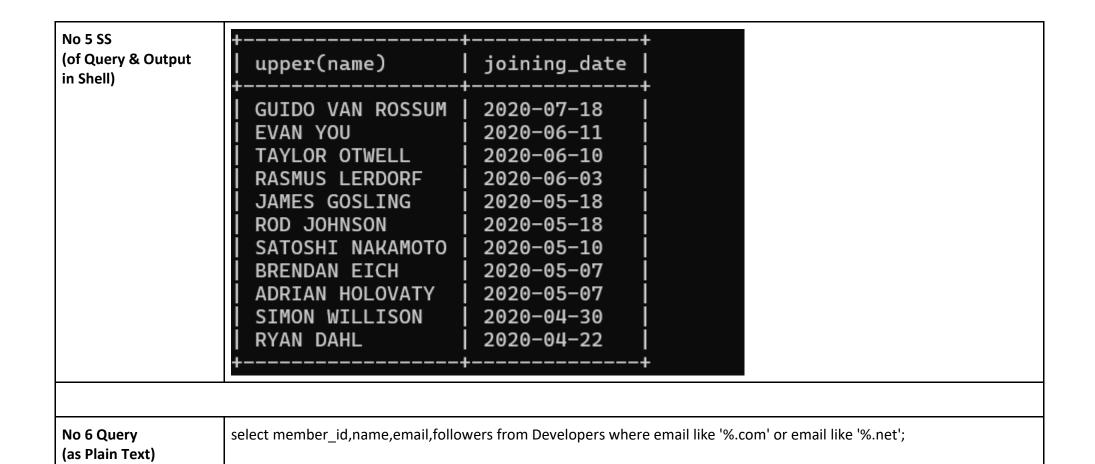
No 3 Query (as Plain Text) update Developers set followers = followers + 10;

No 3 SS
(of Query & Output
in Shell)

MariaDB [goog	gle_24241122]> selec	ct * from Developers;	1		
member_id	name	email	followers	Joining_date	multiplier
+	Taylor Otwell Ryan Dahl Brendan Eich Evan You Rasmus Lerdorf Guido van Rossum Adrian Holovaty Simon Willison James Gosling Rod Johnson	otwell@laravel.com ryan@nodejs.org eich@javascript.com you@vuejs.org lerdorf@php.net guido@python.org adrian@djangoproject.com james@java.com rod@spring.io	739370 739370 633642 939580 982640 937937 968837 570734 864625 719501 601754	2020-06-10 2020-04-22 2020-05-07 2020-06-11 2020-06-03 2020-07-18 2020-05-07 2020-04-30 2020-05-18 2020-05-18	10 10 8 7 8 19 5 4
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;





of Query & Output 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)				