

CSE370 : Database Systems

Assignment 01 | Summer 2025

ID : 23201003 | Name : MASRUR SARAR

No 1 Query (as Plain Text)

```
CREATE DATABASE Google_23201003;
USE Google_23201003;
CREATE TABLE Developers
(
    member_id int,
    name varchar(30),
    email varchar(30),
    influence_count int,
    Joining_date date,
    multiplier int
);
INSERT INTO Developers (member_id, name, email, influence_count, Joining_date, multiplier ) 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)	<div data-bbox="488 113 2087 699"> <div> db<>fiddle MariaDB 11.4 run markdown donate feedback about </div> <div> By using db<>fiddle, you agree to license everything you submit by Creative Commons CC0 </div> <div> <div> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 </div> <div> <pre> CREATE DATABASE Google_23201003; USE Google_23201003; CREATE TABLE Developers (member_id int, name varchar(30), email varchar(30), influence_count int, joining_date date, multiplier int); INSERT INTO Developers (member_id, name, email, influence_count, joining_date, multiplier (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@djangooproject.com', 570724, '2020-05-07', '5'), (8, 'Simon Willison', 'simon@djangooproject.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'); </pre> </div> <div> Records: 11 Duplicates: 0 Warnings: 0 </div> </div> </div>
No 2 Query (as Plain Text)	alter table Developers rename column influence_count to followers;
No 2 SS (of Query & Output in Shell)	<div data-bbox="488 906 2087 943"> <div> 1 </div> <div> <pre> alter table Developers rename column influence_count to followers; </pre> </div> <div> Records: 0 Duplicates: 0 Warnings: 0 </div> </div>
No 3 Query (as Plain Text)	set sql_safe_updates=0; update Developers set followers = followers + 10;
No 3 SS	<div data-bbox="488 1273 2087 1342"> <div> 1 2 </div> <div> <pre> set sql_safe_updates=0; update Developers set followers = followers + 10; </pre> </div> <div> Rows matched: 11 Changed: 11 Warnings: 0 </div> </div>

(of Query & Output in Shell)																									
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)	<div> <pre> 1 v select name,((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency 2 from Developers; </pre> </div> <table> <thead> <tr> <th>name</th><th>Efficiency</th></tr> </thead> <tbody> <tr><td>Taylor Otwell</td><td>36.968500000000</td></tr> <tr><td>Ryan Dahl</td><td>31.682100000000</td></tr> <tr><td>Brendan Eich</td><td>37.583200000000</td></tr> <tr><td>Evan You</td><td>34.392400000000</td></tr> <tr><td>Rasmus Lerdorf</td><td>37.517480000000</td></tr> <tr><td>Guido van Rossum</td><td>92.039515000000</td></tr> <tr><td>Adrian Holovaty</td><td>14.268350000000</td></tr> <tr><td>Simon Willison</td><td>17.292500000000</td></tr> <tr><td>James Gosling</td><td>17.987525000000</td></tr> <tr><td>Rod Johnson</td><td>21.061390000000</td></tr> <tr><td>Satoshi Nakamoto</td><td>31.524900000000</td></tr> </tbody> </table>	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
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No 5 Query (as Plain Text)	select upper(name) from Developers order by Joining_date;																								

No 5 SS
(of Query & Output
in Shell)

1 select upper(name) from Developers order by Joining_date;

upper(name)

RYAN DAHL

SIMON WILLISON

BRENDAN EICH

ADRIAN HOLOVATY

SATOSHI NAKAMOTO

ROD JOHNSON

JAMES GOSLING

RASMUS LERDORF

TAYLOR OTWELL

EVAN YOU

GUIDO VAN ROSSUM

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)

1 v select member_id,name,email,followers

2 from Developers where email like '%.com%' or email like '%.net%';

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)	