

CSE370 : Database Systems

Assignment 01/02/03 | Summer 2025

ID : 21201811 | Name : Rizbin AL Rahi

No 1 Query (as Plain Text)	CREATE TABLE Developers (member_id INT, name VARCHAR(50), email VARCHAR(100), influence_count INT, Joining_date DATE, multiplier INT);
No 1 SS (of Query & Output in Shell)	<pre>MariaDB [(none)]> CREATE DATABASE Google_21201811; Query OK, 1 row affected (0.001 sec) MariaDB [(none)]> USE Google_21201811; Database changed MariaDB [Google_21201811]> CREATE TABLE Developers (-> member_id INT, -> name VARCHAR(50), -> email VARCHAR(100), -> influence_count INT, -> Joining_date DATE, -> multiplier INT ->); Query OK, 0 rows affected (0.201 sec)</pre>
No 2 Query (as Plain Text)	ALTER TABLE developers CHANGE influence_count followers INT;

No 2 SS (of Query & Output in Shell)	<pre>unknown [Google_21201811]> ALTER TABLE developers -> CHANGE influence_count followers INT; No connection. Trying to reconnect... Connection id: 18 Current database: Google_21201811 Query OK, 0 rows affected (0.051 sec) Records: 0 Duplicates: 0 Warnings: 0</pre>
No 3 Query (as Plain Text)	SELECT DEP.followers+10 AS followers FROM developers AS DEP;
No 3 SS (of Query & Output in Shell)	<pre>MariaDB [Google_21201811]> SELECT DEP.followers+10 AS followers FROM developers AS DEP; +-----+ followers +-----+ 739370 633642 939580 982640 937937 968837 570734 864625 719501 601754 630498 +-----+ 11 rows in set (0.000 sec)</pre>
No 4 Query (as Plain Text)	<pre>ALTER TABLE developers ADD efficiency INT; UPDATE developers AS DEP SET Efficiency = ((DEP.followers * 100.0 / 1000000) * (DEP.multiplier * 100.0 / 20)) / 100; SELECT DEP.name,DEP.efficiency FROM developers AS DEP;</pre>

<p>No 4 SS (of Query & Output in Shell)</p>	<pre> MariaDB [Google_21201811]> ALTER TABLE developers -> ADD efficiency INT; Query OK, 0 rows affected (0.409 sec) Records: 0 Duplicates: 0 Warnings: 0 MariaDB [Google_21201811]> UPDATE developers AS DEP -> SET Efficiency = ((DEP.followers * 100.0 / 1000000) * (DEP.multipliers * 100.0 / 20)) / 100; ERROR 1054 (42S22): Unknown column 'DEP.multipliers' in 'field list' MariaDB [Google_21201811]> UPDATE developers AS DEP -> SET efficiency = ((DEP.followers * 100.0 / 1000000) * (DEP.multipliers * 100.0 / 20)) / 100; ERROR 1054 (42S22): Unknown column 'DEP.multipliers' in 'field list' MariaDB [Google_21201811]> UPDATE developers AS DEP -> SET Efficiency = ((DEP.followers * 100.0 / 1000000) * (DEP.multiplier * 100.0 / 20)) / 100; Query OK, 11 rows affected (0.123 sec) Rows matched: 11 Changed: 11 Warnings: 0 MariaDB [Google_21201811]> SELECT DEP.name,DEP.efficiency FROM developers AS DEP; +-----+-----+ name efficiency +-----+-----+ Taylor Otwell 37 Ryan Dahl 32 Brendan Eich 38 Evan You 34 Rasmus Lerdorf 38 Guido van Rossum 92 Adrian Holovaty 14 Simon Willison 17 James Gosling 18 Rod Johnson 21 Satoshi Nakamoto 32 +-----+-----+ 11 rows in set (0.001 sec) </pre>
<p>No 5 Query (as Plain Text)</p>	<p>SELECT UPPER(DEP.name) FROM developers AS DEP ORDER BY DEP.Joining_date DESC;</p>
<p>No 5 SS (of Query & Output in Shell)</p>	<pre> MariaDB [Google_21201811]> SELECT UPPER(DEP.name) FROM developers AS DEP -> ORDER BY DEP.Joining_date DESC; +-----+ UPPER(DEP.name) +-----+ GUIDO VAN ROSSUM EVAN YOU TAYLOR OTWELL RASMUS LERDORF JAMES GOSLING ROD JOHNSON SATOSHI NAKAMOTO BRENDAN EICH ADRIAN HOLOVATY SIMON WILLISON RYAN DAHL +-----+ 11 rows in set (0.001 sec) </pre>
<p>No 6 Query</p>	<p>SELECT DEP.member_id,DEP.name,DEP.email,DEP.followers FROM developers AS DEP</p>

(as Plain Text)	WHERE DEP.email LIKE '%.com%' OR DEP.email LIKE '%.net%';																																
No 6 SS (of Query & Output in Shell)	<div>MariaDB [Google_21201811]> SELECT DEP.member_id,DEP.name,DEP.email,DEP.followers FROM developers AS DEP -> WHERE DEP.email LIKE '%.com%' OR DEP.email LIKE '%.net%';</div> <table><tr><th>member_id</th><th>name</th><th>email</th><th>followers</th></tr><tr><td>1</td><td>Taylor Otwell</td><td>otwell@laravel.com</td><td>739360</td></tr><tr><td>3</td><td>Brendan Eich</td><td>eich@javascript.com</td><td>939570</td></tr><tr><td>5</td><td>Rasmus Lerdorf</td><td>lerdorf@php.net</td><td>937927</td></tr><tr><td>7</td><td>Adrian Holovaty</td><td>adrian@djangoproject.com</td><td>570724</td></tr><tr><td>8</td><td>Simon Willison</td><td>simon@djangoproject.com</td><td>864615</td></tr><tr><td>9</td><td>James Gosling</td><td>james@java.com</td><td>719491</td></tr><tr><td>11</td><td>Satoshi Nakamoto</td><td>nakamoto@blockchain.com</td><td>630488</td></tr></table> <div>7 rows in set (0.001 sec)</div>	member_id	name	email	followers	1	Taylor Otwell	otwell@laravel.com	739360	3	Brendan Eich	eich@javascript.com	939570	5	Rasmus Lerdorf	lerdorf@php.net	937927	7	Adrian Holovaty	adrian@djangoproject.com	570724	8	Simon Willison	simon@djangoproject.com	864615	9	James Gosling	james@java.com	719491	11	Satoshi Nakamoto	nakamoto@blockchain.com	630488
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