

# IT26 DML Activity: SQL Practice Task

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IT 26A

## INSERT

```
XAMPP for Windows - mysql
-> (2008, 'Joshua', 'Sadbalan', 'sadnalanjoshua13@gmail.com', 15),
-> (20012, 'Marie Gold', 'Bon', 'bonmariegold28@gmail.com', 20),
-> (2016, 'Rogiemae', 'Sadnalan', 'sadnalanrogiemeal2@gmail.com', 23),
-> (2004, 'Jerson', 'Saadnalan', 'sadnalanjerson29@gmail.com', 5),
-> (2004, 'Erich', 'Cuevas', 'cuevaserich10@gmail.com', 24),
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ':' at line 8
MariaDB [it26a_tulod]> INSERT INTO `customers` (`customer_id`, `first_name`, `last_name`, `email_address`, `number_of_complaints`) VALUES
-> (2004, 'Christian Joshua', 'Tulod', 'tulodchristianjoshua@gmail.com', 10),
-> (2008, 'Joshua', 'Sadbalan', 'sadnalanjoshua13@gmail.com', 15),
-> (2012, 'Marie Gold', 'Bon', 'bonmariegold28@gmail.com', 20),
-> (2016, 'Rogiemae', 'Sadnalan', 'sadnalanrogiemeal2@gmail.com', 23),
-> (2038, 'Jerson', 'Saadnalan', 'sadnalanjerson29@gmail.com', 5),
-> (2006, 'Erich', 'Cuevas', 'cuevaserich10@gmail.com', 26),
-> (2023, 'Glaiza', 'Ranalan', 'ranalanglaiza19@gmail.com', 29),
-> (2022, 'Apple', 'Valle', 'valleapple18@gmail.com', 30);
Query OK, 8 rows affected (0.019 sec)
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [it26a_tulod]> describe customers
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customer_id | int(10) | NO | PRI | NULL | auto_increment |
| first_name | varchar(50) | NO | | NULL | |
| last_name | varchar(50) | NO | | NULL | |
| email_address | varchar(50) | NO | | NULL | |
| number_of_complaints | int(5) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.052 sec)

MariaDB [it26a_tulod]> |
```

## SELECT

```
XAMPP for Windows - mysql
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [it26a_tulod]> describe customers
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customer_id | int(10) | NO | PRI | NULL | auto_increment |
| first_name | varchar(50) | NO | | NULL | |
| last_name | varchar(50) | NO | | NULL | |
| email_address | varchar(50) | NO | | NULL | |
| number_of_complaints | int(5) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.052 sec)

MariaDB [it26a_tulod]> Select * from customers > where customers_id > 0;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '> where customers_id > 0' at line 1
MariaDB [it26a_tulod]> Select * from customers > where number_of_complaints > 1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '> where number_of_complaints > 1' at line 1
MariaDB [it26a_tulod]> Select * from customers where number_of_complaints > 1;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian Joshua | Tulod | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2008 | Joshua | Sadbalan | sadnalanjoshua13@gmail.com | 15 |
| 2012 | Marie Gold | Bon | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiemae | Sadnalan | sadnalanrogiemeal2@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Ranalan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
8 rows in set (0.022 sec)

MariaDB [it26a_tulod]> |
```

## UPDATE

```
XAMPP for Windows - mysql
For server side help, type 'help contents'

MariaDB [it26a_tulod]> Select * from customers where number_of_complaints > 1;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian Joshua | Tulod | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2008 | Joshua | Sadbalan | sadnalanjoshua13@gmail.com | 15 |
| 2012 | Marie Gold | Bon | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiemae | Sadnalan | sadnalanrogiemea12@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Rananan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [it26a_tulod]> update customers set first_name = 'James' where customer_id = 2008;
Query OK, 1 row affected (0.030 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [it26a_tulod]> Select * from customers where number_of_complaints > 1;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian Joshua | Tulod | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2008 | James | Sadbalan | sadnalanjoshua13@gmail.com | 15 |
| 2012 | Marie Gold | Bon | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiemae | Sadnalan | sadnalanrogiemea12@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Rananan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [it26a_tulod]>
```

## DELETE

```
XAMPP for Windows - mysql

-> delete;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'delete' at line 2
MariaDB [it26a_tulod]> Select * from customers where number_of_complaints > 1;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian Joshua | Tulod | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2008 | James | Sadbalan | sadnalanjoshua13@gmail.com | 15 |
| 2012 | Marie Gold | Bon | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiemae | Sadnalan | sadnalanrogiemea12@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Rananan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
8 rows in set (0.000 sec)

MariaDB [it26a_tulod]> delete from customers where customer_id = 2008;
Query OK, 1 row affected (0.020 sec)

MariaDB [it26a_tulod]> Select * from customers where number_of_complaints > 1;
+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian Joshua | Tulod | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2012 | Marie Gold | Bon | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiemae | Sadnalan | sadnalanrogiemea12@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Rananan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
7 rows in set (0.000 sec)

MariaDB [it26a_tulod]> |
```

## CASCADING

```
XAMPP for Windows - mysql
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'no delete cascade dsssvsvs' at line 5
MariaDB [it26a_tulod]> alter table sales
  -> add constraint fk_customer
  -> foreign key (customer_id)
  -> references customers (customer_id)
  -> on delete cascade
  -> on update cascade;
Query OK, 0 rows affected (0.164 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [it26a_tulod]> select * from sales;
Empty set (0.027 sec)

MariaDB [it26a_tulod]> insert into sales (pyrchase_number, order_id, date_of_purchase, customer_id) VALUES
  -> (2, 5746, 04-01-2025, 2004),
  -> (20, 7493, 04-16-2025, 2038),
  -> (10, 6653, 04-21-2025, 2016),
  -> (13, 5746, 04-25-2025, 2006),
  -> (8, 4680, 04-28-2025, 2012),
  -> (17, 8645, 04-30-2025, 2022),
  -> (4, 2635, 05-02-2025, 2023);
ERROR 1054 (42S22): Unknown column 'pyrchase_number' in 'field list'
MariaDB [it26a_tulod]> insert into sales (purchase_number, order_id, date_of_purchase, customer_id) VALUES
  -> (2, 5746, 04-01-2025, 2004),
  -> (9, 7493, 04-16-2025, 2038),
  -> (1, 6653, 04-21-2025, 2016),
  -> (6, 5746, 04-25-2025, 2006),
  -> (8, 4680, 04-28-2025, 2012),
  -> (7, 8645, 04-30-2025, 2022),
  -> (4, 2635, 05-02-2025, 2023);
Query OK, 7 rows affected, 7 warnings (0.029 sec)
Records: 7 Duplicates: 0 Warnings: 7

MariaDB [it26a_tulod]> select * seles
  -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'seles' at line 1
MariaDB [it26a_tulod]> select * from seles;
ERROR 1146 (42S02): Table 'it26a_tulod.seles' doesn't exist

XAMPP for Windows - mysql
MariaDB [it26a_tulod]> select * from seles;
ERROR 1146 (42S02): Table 'it26a_tulod.seles' doesn't exist
MariaDB [it26a_tulod]> desc seles;
ERROR 1146 (42S02): Table 'it26a_tulod.seles' doesn't exist
MariaDB [it26a_tulod]> describe seles;
ERROR 1146 (42S02): Table 'it26a_tulod.seles' doesn't exist
MariaDB [it26a_tulod]> select * from sales;

+-----+-----+-----+-----+
| purchase_number | order_id | date_of_purchase | customer_id |
+-----+-----+-----+-----+
| 1 | 6653 | 0000-00-00 | 2016 |
| 2 | 5746 | 0000-00-00 | 2004 |
| 4 | 2635 | 0000-00-00 | 2023 |
| 6 | 5746 | 0000-00-00 | 2006 |
| 7 | 8645 | 0000-00-00 | 2022 |
| 8 | 4680 | 0000-00-00 | 2012 |
| 9 | 7493 | 0000-00-00 | 2038 |
+-----+-----+-----+-----+
7 rows in set (0.021 sec)

MariaDB [it26a_tulod]> select * from customer;
ERROR 1146 (42S02): Table 'it26a_tulod.customer' doesn't exist
MariaDB [it26a_tulod]> select * from customers;

+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | email_address | number_of_complaints |
+-----+-----+-----+-----+-----+
| 2004 | Christian | Joshua | tulodchristianjoshua@gmail.com | 10 |
| 2006 | Erich | Cuevas | cuevaserich10@gmail.com | 26 |
| 2012 | Marie | Gold | bonmariegold28@gmail.com | 20 |
| 2016 | Rogiema | Sadnalan | sadnalanrogiemeal2@gmail.com | 23 |
| 2022 | Apple | Valle | valleapple18@gmail.com | 30 |
| 2023 | Glaiza | Rananalan | ranalanglaiza19@gmail.com | 29 |
| 2038 | Jerson | Saadnalan | sadnalanjerson29@gmail.com | 5 |
+-----+-----+-----+-----+-----+
7 rows in set (0.022 sec)

MariaDB [it26a_tulod]>
```