Advance Database: Activity 1

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Course & Year   : **BSIT – 3C**
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1. Give the query and results on select statement on users table

```
MariaDB [manzo]> select * from users;
+----+----------------------------+-----------+--------------+---------------------+
| ID | email                      | password  | date_created | stamp               |
+----+----------------------------+-----------+--------------+---------------------+
|  1 | ibarra@example.com         | password1 | 2022-01-01   | 2023-08-31 23:03:19 |
|  2 | mariaclara@example.com     | password2 | 2022-01-02   | 2023-08-31 23:03:19 |
|  3 | elias@example.com          | password3 | 2022-01-03   | 2023-08-31 23:03:19 |
|  4 | sisa@example.com           | password4 | 2022-01-04   | 2023-08-31 23:03:19 |
|  5 | padre.salvi@example.com    | password5 | 2022-01-05   | 2023-08-31 23:03:19 |
|  6 | kapitan.tiyago@example.com | password6 | 2022-01-06   | 2023-08-31 23:03:19 |
|  7 | basilio@example.com        | password7 | 2022-01-07   | 2023-08-31 23:03:19 |
|  8 | simoun@example.com         | password8 | 2022-01-08   | 2023-08-31 23:03:19 |
|  9 | padre.damaso@example.com   | password9 | 2022-01-09   | 2023-08-31 23:03:19 |
| 10 | andeng@example.com         | password10| 2022-01-10   | 2023-08-31 23:03:19 |
+----+----------------------------+-----------+--------------+---------------------+
10 rows in set (0.000 sec)
```

2. Give the query and results on insert statement on users_information table.

```
MariaDB [manzo]> INSERT INTO users_information (firstname, lastname, middlename, address, phone_number, users_id) VALUES
  ('Dexters', 'Peraltree', 'Anchetong', 'Ormoc', '+639987654321', 7);
Query OK, 1 row affected (0.012 sec)
```

firstname	lastname	middlename	address	phone_number	users_id
Juan	Ibarra	Crisostomo	San Diego	+639123456789	1
Maria	Clara	Magdalena	San Diego	+639234567890	2
Elias	Baltazar	Peralta	The Forest	+639345678901	3
Sisa	Delos Santos	Credo	San Diego	+639456789012	4
Padre	Salvi	Damaso	San Diego	+639567890123	5
Kapitan	Tiyago	Dalisay	San Diego	+639678901234	5
Basilio	Dalisay	Sakristan	San Diego	+639789012345	6
Simoun	Crisostomo	Hidalgo	San Diego	+639890123456	6
Padre	Damaso	Hernandez	San Diego	+639901234567	7
Andeng	Bautista	Soriano	San Diego	+639012345678	7
Dexters	Peraltree	Anchetong	Ormoc	+639987654321	7

```
11 rows in set (0.000 sec)
```

3. Give the query and results on update statement on users_information table change the 5th row first name to "John" and last name to "Carter"

```
MariaDB [manzo]> UPDATE users_information SET firstname = 'John', lastname = 'Carter' WHERE users_id = 5;
Query OK, 2 rows affected (0.002 sec)
Rows matched: 2  Changed: 2  Warnings: 0
```

```
MariaDB [manzo]> select * from users_information;
```

firstname	lastname	middlename	address	phone_number	users_id
Juan	Ibarra	Crisostomo	San Diego	+639123456789	1
Maria	Clara	Magdalena	San Diego	+639234567890	2
Elias	Baltazar	Peralta	The Forest	+639345678901	3
Sisa	Delos Santos	Credo	San Diego	+639456789012	4
John	Carter	Damaso	San Diego	+639567890123	5
John	Carter	Dalisay	San Diego	+639678901234	5
Basilio	Dalisay	Sakristan	San Diego	+639789012345	6
Simoun	Crisostomo	Hidalgo	San Diego	+639890123456	6
Padre	Damaso	Hernandez	San Diego	+639901234567	7
Andeng	Bautista	Soriano	San Diego	+639012345678	7
Dexters	Peraltree	Anchetong	Ormoc	+639987654321	7

```
11 rows in set (0.000 sec)
```

4. Give the query and results on the count of rows on users table.

```
MariaDB [manzo]> SELECT COUNT(*) FROM users;
+----------+
| COUNT(*) |
+----------+
|       10 |
+----------+
1 row in set (0.000 sec)
```

5. Replace the date created values on users:
   on id 1-5 change the date to "2023-08-28"
   on id 6-10 change the date to "2023-08-30"

```
MariaDB [manzo]> UPDATE users SET date_created = '2023-08-28' WHERE ID BETWEEN 1 AND 5;
Query OK, 5 rows affected (0.011 sec)
Rows matched: 5  Changed: 5  Warnings: 0

MariaDB [manzo]> UPDATE users SET date_created = '2023-08-30' WHERE ID BETWEEN 6 AND 10;
Query OK, 5 rows affected (0.012 sec)
Rows matched: 5  Changed: 5  Warnings: 0

MariaDB [manzo]> select * from users;
+----+----------------------------+------------+--------------+---------------------+
| ID | email                      | password   | date_created | stamp               |
+----+----------------------------+------------+--------------+---------------------+
|  1 | ibarra@example.com         | password1  | 2023-08-28   | 2023-08-31 23:48:25 |
|  2 | mariaclara@example.com     | password2  | 2023-08-28   | 2023-08-31 23:48:25 |
|  3 | elias@example.com          | password3  | 2023-08-28   | 2023-08-31 23:48:25 |
|  4 | sisa@example.com           | password4  | 2023-08-28   | 2023-08-31 23:48:25 |
|  5 | padre.salvi@example.com    | password5  | 2023-08-28   | 2023-08-31 23:48:25 |
|  6 | kapitan.tiyago@example.com | password6  | 2023-08-30   | 2023-08-31 23:48:30 |
|  7 | basilio@example.com        | password7  | 2023-08-30   | 2023-08-31 23:48:30 |
|  8 | simoun@example.com         | password8  | 2023-08-30   | 2023-08-31 23:48:30 |
|  9 | padre.damaso@example.com   | password9  | 2023-08-30   | 2023-08-31 23:48:30 |
| 10 | andeng@example.com         | password10 | 2023-08-30   | 2023-08-31 23:48:30 |
+----+----------------------------+------------+--------------+---------------------+
10 rows in set (0.000 sec)
```

6. Display the user's email, first name, last name, phone number in one query.

```
MariaDB [manzo]> SELECT u.email, ui.firstname, ui.lastname, ui.phone_number
    -> FROM users u
    -> JOIN users_information ui ON u.ID = ui.users_id;
+----------------------------+-----------+--------------+---------------+
| email                      | firstname | lastname     | phone_number  |
+----------------------------+-----------+--------------+---------------+
| ibarra@example.com         | Juan      | Ibarra       | +639123456789 |
| mariaclara@example.com     | Maria     | Clara        | +639234567890 |
| elias@example.com          | Elias     | Baltazar     | +639345678901 |
| sisa@example.com           | Sisa      | Delos Santos | +639456789012 |
| padre.salvi@example.com    | John      | Carter       | +639567890123 |
| padre.salvi@example.com    | John      | Carter       | +639678901234 |
| kapitan.tiyago@example.com | Basilio   | Dalisay      | +639789012345 |
| kapitan.tiyago@example.com | Simoun    | Crisostomo   | +639890123456 |
| basilio@example.com        | Padre     | Damaso       | +639901234567 |
| basilio@example.com        | Andeng    | Bautista     | +639012345678 |
| basilio@example.com        | Dexters   | Peraltree    | +639987654321 |
+----------------------------+-----------+--------------+---------------+
11 rows in set (0.000 sec)
```

7. Add column on user information table: mac address, ip address and insert sample date to those columns.

```
MariaDB [manzo]> ALTER TABLE users_information
    -> ADD COLUMN macaddress VARCHAR(20),
    -> ADD COLUMN ipaddress VARCHAR(15);
Query OK, 0 rows affected (0.013 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
MariaDB [manzo]> UPDATE users_information
    -> SET macaddress = '00:11:22:33:44:55',
    ->     ipaddress = '192.168.1.100'
    -> WHERE users_id BETWEEN 1 AND 10;
Query OK, 11 rows affected (0.003 sec)
Rows matched: 11  Changed: 11  Warnings: 0
```

8. Display the user's ID, email, mac address, ip address.

```
MariaDB [manzo]> SELECT u.ID, u.email, ui.macaddress, ui.ipaddress
    -> FROM users u
    -> JOIN users_information ui ON u.ID = ui.users_id;
+----+----------------------------+-------------------+---------------+
| ID | email                      | macaddress        | ipaddress     |
+----+----------------------------+-------------------+---------------+
|  1 | ibarra@example.com         | 00:11:22:33:44:55 | 192.168.1.100 |
|  2 | mariaclara@example.com     | 00:11:22:33:44:55 | 192.168.1.100 |
|  3 | elias@example.com          | 00:11:22:33:44:55 | 192.168.1.100 |
|  4 | sisa@example.com           | 00:11:22:33:44:55 | 192.168.1.100 |
|  5 | padre.salvi@example.com    | 00:11:22:33:44:55 | 192.168.1.100 |
|  5 | padre.salvi@example.com    | 00:11:22:33:44:55 | 192.168.1.100 |
|  6 | kapitan.tiyago@example.com | 00:11:22:33:44:55 | 192.168.1.100 |
|  6 | kapitan.tiyago@example.com | 00:11:22:33:44:55 | 192.168.1.100 |
|  7 | basilio@example.com        | 00:11:22:33:44:55 | 192.168.1.100 |
|  7 | basilio@example.com        | 00:11:22:33:44:55 | 192.168.1.100 |
|  7 | basilio@example.com        | 00:11:22:33:44:55 | 192.168.1.100 |
+----+----------------------------+-------------------+---------------+
11 rows in set (0.000 sec)
```

9. Display all the user's information on date created 2023-08-28.

```
MariaDB [manzo]> SELECT ui.*
    -> FROM users u
    -> JOIN users_information ui ON u.ID = ui.users_id
    -> WHERE DATE(u.date_created) = '2023-08-28';
+-----------+-------------+------------+------------+---------------+----------+-------------------+---------------+
| firstname | lastname    | middlename | address    | phone_number  | users_id | macaddress        | ipaddress     |
+-----------+-------------+------------+------------+---------------+----------+-------------------+---------------+
| Juan      | Ibarra      | Crisostomo | San Diego  | +639123456789 |        1 | 00:11:22:33:44:55 | 192.168.1.100 |
| Maria     | Clara       | Magdalena  | San Diego  | +639234567890 |        2 | 00:11:22:33:44:55 | 192.168.1.100 |
| Elias     | Baltazar    | Peralta    | The Forest | +639345678901 |        3 | 00:11:22:33:44:55 | 192.168.1.100 |
| Sisa      | Delos Santos| Credo      | San Diego  | +639456789012 |        4 | 00:11:22:33:44:55 | 192.168.1.100 |
| John      | Carter      | Damaso     | San Diego  | +639567890123 |        5 | 00:11:22:33:44:55 | 192.168.1.100 |
| John      | Carter      | Dalisay    | San Diego  | +639678901234 |        5 | 00:11:22:33:44:55 | 192.168.1.100 |
+-----------+-------------+------------+------------+---------------+----------+-------------------+---------------+
6 rows in set (0.000 sec)
```

10. Display all the user's information on date created 2023-08-30.

```
MariaDB [manzo]> SELECT ui.*
    -> FROM users u
    -> JOIN users_information ui ON u.ID = ui.users_id
    -> WHERE DATE(u.date_created) = '2023-08-30';
+-----------+-----------+------------+-----------+---------------+----------+-------------------+---------------+
| firstname | lastname  | middlename | address   | phone_number  | users_id | macaddress        | ipaddress     |
+-----------+-----------+------------+-----------+---------------+----------+-------------------+---------------+
| Basilio   | Dalisay   | Sakristan  | San Diego | +639789012345 |        6 | 00:11:22:33:44:55 | 192.168.1.100 |
| Simoun    | Crisostomo| Hidalgo    | San Diego | +639890123456 |        6 | 00:11:22:33:44:55 | 192.168.1.100 |
| Padre     | Damaso    | Hernandez  | San Diego | +639901234567 |        7 | 00:11:22:33:44:55 | 192.168.1.100 |
| Andeng    | Bautista  | Soriano    | San Diego | +639012345678 |        7 | 00:11:22:33:44:55 | 192.168.1.100 |
| Dexters   | Peraltree | Anchetong  | Ormoc     | +639987654321 |        7 | 00:11:22:33:44:55 | 192.168.1.100 |
+-----------+-----------+------------+-----------+---------------+----------+-------------------+---------------+
5 rows in set (0.000 sec)
```