DBWS Homework 4

Final - 3*4 = 12 queries

Join #1

```
MariaDB [group20]> SELECT DISTINCT username FROM users, bank_details_users WHERE payment_method = "Paypal";
+-----------------+
| username        |
+-----------------+
| 1_player        |
| donator_334     |
| HankGreenisOlder|
| JohnGreen69     |
| player_2        |
+-----------------+
5 rows in set (0.000 sec)
```

We selected all distinct emails that use "N26" as the receiving bank

Join #2

```
MariaDB [group20]> SELECT DISTINCT email FROM partner_organizations, bank_details_partners WHERE bank_name = "N26";
+-----------------+
| email           |
+-----------------+
| CB@A.com        |
| unicef@gmail.com|
| AB@C.com        |
+-----------------+
```

We selected all distinct emails that use "N26" as the receiving bank

Join #3

```
MariaDB [group20]> SELECT DISTINCT category_name FROM category, partner_organizations WHERE location = "Cologne";
+---------------+
| category_name |
+---------------+
| Mental Health |
| Hunger        |
| Death         |
+---------------+
3 rows in set (0.000 sec)
```

We selected all distinct category_name if the partner organizations are in Cologne

Join #4

```
MariaDB [group20]> SELECT DISTINCT IBAN FROM bank_details_partners, partner_organizations WHERE legal_certification = "exists";
+-----------+
| IBAN      |
+-----------+
| 34567     |
| DE69 69.. |
| DE89 89.. |
+-----------+
3 rows in set (0.000 sec)
```

We selected all distinct IBAN that use "exists" as a legal certification

Join #5

```
MariaDB [group20]> SELECT name, location FROM partner_organizations WHERE legal_certification LIKE 'S%';
+------+-------------+
| name | location    |
+------+-------------+
| CBA  | Düsseldorf  |
+------+-------------+
```

We selected all name and location of Partner organizations that use "S%" as a the legal certification

Join #6

```
MariaDB [group20]> SELECT DISTINCT name FROM   partner_organizations JOIN category ON partner_organizations.organization_id = category.organization_id WHERE category_na
me = "Mental Health";
+------+
| name |
+------+
| CBA  |
+------+
1 row in set (0.000 sec)
```

We selected distinct name from partners and joined organization_id of category and partner to get category name as "Mental Health"

Join #7

```
MariaDB [group20]>  SELECT DISTINCT name, location, bank_name, BIC, IBAN FROM
    ->  partner_organizations JOIN bank_details_partners ON
    ->  bank_details_partners.organization_id = partner_organizations.organization_id
    ->  JOIN category ON category.organization_id = partner_organizations.organization_id
    ->  WHERE category_name = "Mental Health";
+------+----------+-----------+-------+-----------+
| name | location | bank_name | BIC   | IBAN      |
+------+----------+-----------+-------+-----------+
| CBA  | Cologne  | N26       | N26XX | DE89 89.. |
+------+----------+-----------+-------+-----------+
1 row in set (0.001 sec)
```

Join #8

```
MariaDB [group20]> SELECT * FROM bank_details_partners  WHERE organization_id <> 3 LIMIT 1;
+-----------------+---------+-----------+-------+-----------+----------------+
| organization_id | bank_id | bank_name | BIC   | IBAN      | payment_method |
+-----------------+---------+-----------+-------+-----------+----------------+
|               2 |       1 | N26       | N26XX | DE89 89.. | Card           |
+-----------------+---------+-----------+-------+-----------+----------------+
1 row in set (0.000 sec)
```

We select all from bank details of partners where organization id is not 3 and only limit the tuple to 1

Join#9

```
MariaDB [group20]> SELECT username, email FROM bank_details_users, users WHERE bank_details_users.bank_name = "Sparkasse" AND location = "Berlin";
+----------------+---------------------+
| username       | email               |
+----------------+---------------------+
| player_2       | gamer@player.com    |
| donator_334    | game66r@player.com  |
| JohnGreen69    | johngreen@player.com |
| HankGreenisOlder | hankgreen@player.com |
+----------------+---------------------+
4 rows in set (0.000 sec)
```

Selects the users that have Sparkasse as their email and live in Berlin

Group #1

```
MariaDB [group20]> SELECT * FROM users  WHERE user_id > 3 GROUP BY location HAVING location = "Berlin"
    -> ;
+---------+-------------+----------+-------------+----------+--------------------+--------------+
| user_id | username    | location | name        | password | email              | phone_number |
+---------+-------------+----------+-------------+----------+--------------------+--------------+
|       4 | donator_334 | Berlin   | not_agamer_2 | 0232     | game66r@player.com | 983242310    |
+---------+-------------+----------+-------------+----------+--------------------+--------------+
1 row in set (0.001 sec)
```

We selected all from users that have user_id more than 3 and is grouped with people in Berlin

Group #2

```
MariaDB [group20]> SELECT * FROM bank_details_partners  WHERE organization_id <> 3 GROUP BY payment_method LIMIT 1;
+-----------------+---------+-----------+-------+-----------+----------------+
| organization_id | bank_id | bank_name | BIC   | IBAN      | payment_method |
+-----------------+---------+-----------+-------+-----------+----------------+
|               2 |       1 | N26       | N26XX | DE89 89.. | Card           |
+-----------------+---------+-----------+-------+-----------+----------------+
1 row in set (0.000 sec)
```

We selected all data from bank details partners where organization id is not 3 and is grouped with payment method and is limited to just 1 tuple.

Group #3

```
MariaDB [group20]> SELECT username, email, location FROM users WHERE username <> "player_2" GROUP BY location HAVING count(*) = 1;
+----------+---------------+-----------+
| username | email         | location  |
+----------+---------------+-----------+
| 1_player | play@game.com | Frankfurt |
+----------+---------------+-----------+
1 row in set (0.000 sec)
```

Select user details where the username is not "player_2" and choose all entries that have only one user in a specific location