

Query 1:

```
/* Query 1 All the games that have expected release dates starting from the 1st of January 2022 that
are available on the 'PC' platform and belong to the 'Action' genre. Helps to manage upcoming games*/
select game.game_id,expected_release_date,name,description,genre_type
from upcoming_game,game
where (upcoming_game.game_id = game.game_id) && (expected_release_date>'2022-01-01') &&
game.genre_type IN (select genre_type

from genre

where platform = 'PC' && genre_type = 'Action')

order by game.game_id;
```

```
MariaDB [group13]> select game.game_id,expected_release_date,name,description,genre_type
-> from upcoming_game,game
-> where (upcoming_game.game_id = game.game_id) && (expected_release_date>'2022-01-01') && game.genre_type IN (select genre_type
-> from genre
-> where platform = 'PC' && genre_type = 'Action')
-> order by game.game_id;
+-----+-----+-----+-----+-----+
| game_id | expected_release_date | name      | description                               | genre_type |
+-----+-----+-----+-----+-----+
| 8       | 2022-01-04           | Brooklyn | Help keeping the neighborhood safe       | Action     |
+-----+-----+-----+-----+-----+
1 row in set (0,002 sec)
```

MariaDB [group13]> █

Query 2:

```
/* Query 2 In this query, we search for and return every game that is a 'shooting' game or is in the
'shooting' games genre */
select name,game_id,description,company_name
from game
join publisher on publisher.company_name = game.publisher
```

```
where genre_type = 'Shooting'
order by game_id;
```

```
MariaDB [group13]> select name,game_id,description,company_name
-> from game
-> join publisher on publisher.company_name = game.publisher
-> where genre_type = 'Shooting'
-> order by game_id
-> ;
```

| name | game_id | description | company_name |
|------------------|---------|------------------------------------|--------------|
| Grand Theft Cars | 2 | Open World shooting with free-roam | Superstar |

1 row in set (0,002 sec)

Query 3:

```
/* Query 3 In this query we return name of games that have the highest ratings */
SELECT game.name FROM game INNER JOIN gets on game.game_id = gets.game_id INNER JOIN review on
gets.review_id=review.review_id WHERE review.score = (SELECT MAX(review.score) from review);
```

```
e 3
MariaDB [group13]> SELECT game.name FROM game INNER JOIN gets on game.game_id = gets.game_id INNER JOIN review on gets.review_id=review.review_id WHERE review.score
= (SELECT MAX(review.score) from review);
```

| name |
|----------|
| Style Me |
| FIF4 |

2 rows in set (0,001 sec)

```
MariaDB [group13]> █
```

Query 4:

```
/* Query 4 In this query, we search for games that are only available on the 'PC' platform and also
belong to the 'action' genre and order them by game id
Or returning PC games in the Action genre*/
select game.game_id, name, platform
from game
where (platform= 'PC' && genre_type = 'Action')
order by game.game_id;
```

```
MariaDB [group13]> select game.game_id, name, platform
-> from game
-> where (platform= 'PC' && genre_type = 'Action')
-> order by game.game_id;
+-----+-----+-----+
| game_id | name           | platform |
+-----+-----+-----+
| 1       | The Younger Scrolls | PC       |
| 8       | Brooklyn       | PC       |
+-----+-----+-----+
2 rows in set (0,001 sec)
```

```
MariaDB [group13]> █
```

Query 5:

```
/* In this query we search for games that have not been published yet with no media so that we can
notify the publishers to promote*/

select distinct game.game_id, name
From upcoming_game, game
where (media=0 && upcoming_game.expected_release_date>='2016-01-01')
order by game.name;
```

```

MariaDB [group13]> select distinct game.game_id, name
-> From upcoming_game,game
-> where (media=0 && upcoming_game.expected_release_date>='2016-01-01')
-> order by game.name;
+-----+-----+
| game_id | name      |
+-----+-----+
|      10 | Style Me |
+-----+-----+
1 row in set (0,001 sec)

MariaDB [group13]>

```

1 2 3 4 - 🔥 📺 🔥 QUERY LOGS - Google... ➤ yenlingw@yenlingw-v... screengrab - 5 win

Query 6:

```

/* In this query we search for all the games published by a single publisher specifically 'Compcap' */
select distinct name,game.game_id,description,publisher
from game
where publisher = 'Compcap'
order by game_id;

```

```

MariaDB [group13]> select distinct name,game.game_id,description,publisher
-> from game
-> where publisher = 'Compcap'
-> order by game_id;

```

| name | game_id | description | publisher |
|---------------------|---------|---|-----------|
| The Younger Scrolls | 1 | Open World RPG with free-roam | Compcap |
| Road Fighters | 4 | player vs player battles with tons of weapons | Compcap |

2 rows in set (0,001 sec)

```

MariaDB [group13]> 

```

1 2 3 4 DB4 - Google Docs — ... yenlingw@yenlingw-v... screengrab - 3 windows

Query 7:

```

/* In this query we search for emails of all the players that left a review */
SELECT DISTINCT user.email
FROM user
INNER JOIN leaves on leaves.user_id = user.user_id
INNER JOIN review on review.review_id = leaves.review_id
WHERE user.user_id;

```

```
MariaDB [group13]> SELECT DISTINCT user.email FROM user INNER JOIN leaves on leaves.user_id = user.user_id INNER JOIN review on review.review_id = leaves.review_id W
HERE user.user_id;
+-----+
| email |
+-----+
| hannah@gmail.com |
| george04@yahoo.com |
| Jill72@jacobs-university.de |
+-----+
3 rows in set (0,002 sec)

MariaDB [group13]> 
```

Query 8:

```
/* In this query we search for people who are more than 18 years old and are citizens of the United
States of America. (Due to differing regulations on age restrictions
for games among different countries*/

select first_name, last_name, country_of_residence, date_of_birth, player_id
from player
where date_of_birth < '2003-01-01' && country_of_residence = 'USA'
order by player_id;
```

```

MariaDB [group13]> select first_name, last_name, country_of_residence, date_of_birth, player_id
-> from player
-> where date_of_birth < '2003-01-01' && country_of_residence = 'USA'
-> order by player_id
-> ;

```

| first_name | last_name | country_of_residence | date_of_birth | player_id |
|------------|-----------|----------------------|---------------|-----------|
| George | Kelly | USA | 1997-03-05 | 2 |

```

1 row in set (0,002 sec)

MariaDB [group13]>

```

1 2 3 4 DB4 - Google Docs — ... yenlingw@yenlingw-v... ScreenGrab

Query 9:

```

/* In this query we search for players who are from a certain country here 'Germany' that have
installed huge games or games that have a large size on the 'PC' platform
classified based on their 'genre_type' using 'group by'. Useful for statistics and research*/

```

```

select distinct player_id, country_of_residence, first_name, last_name
from player, genre
join installation on size_of_game > 40
where country_of_residence = 'Germany' && (genre.genre_type IN (select game.genre_type from game where
platform = 'PC' group by genre_type));

```

```

MariaDB [group13]> select distinct player_id,country_of_residence,first_name,last_name
-> from player,genre
-> join installation on size_of_game > 40
-> where country_of_residence = 'Germany' && (genre.genre_type IN (select game.genre_type from game where platform = 'PC' group by genre_type));
+-----+-----+-----+-----+
| player_id | country_of_residence | first_name | last_name |
+-----+-----+-----+-----+
|          1 | Germany              | Sid       | Chhabra   |
|          6 | Germany              | Kerem     | Topbas    |
+-----+-----+-----+-----+
2 rows in set (0,002 sec)

```

Query 10:

```

/* In this query we search for the games that are on the PC platform grouped based on genre type using
'group by'. Helps to have more customized results for
various purposes*/

select genre_type,name,description
from game
where platform = 'PC'
group by genre_type;

```


Database changed

```
MariaDB [group13]> select genre_type,name,description  
    -> from game  
    -> where platform = 'PC'  
    -> group by genre_type;
```

| genre_type | name | description |
|------------|---------------------|---|
| Action | The Younger Scrolls | Open World RPG with free-roam |
| Fashion | Style Me | Become the stylist of famous hollywood actress Nina Gabriel |
| Shooting | Grand Theft Cars | Open World shooting with free-roam |
| Sports | FIF4 | A football video game with a lot of players from real life |
| Strategy | God of Peace | A long journey in another world |

5 rows in set (0,003 sec)

```
MariaDB [group13]> █
```

Query 11:

```
/*In this query we return all the names and the corresponding platform (pc) of pc games that have been  
downloaded by players*/  
SELECT game.platform AS plat, game.name  
FROM game  
INNER JOIN downloads ON downloads.game_id = game.game_id  
INNER JOIN player ON player.player_id = downloads.player_id  
HAVING plat = 'PC'
```

```
MariaDB [group13]> SELECT game.platform AS plat, game.name
-> FROM game INNER JOIN downloads ON downloads.game_id = game.game_id INNER JOIN player ON player.player_id = downloads.player_id HAVING plat = 'PC';
+-----+-----+
| plat | name |
+-----+-----+
| PC   | The Younger Scrolls |
| PC   | Grand Theft Cars   |
| PC   | God of Peace       |
+-----+-----+
3 rows in set (0,001 sec)

MariaDB [group13]> 
```

Query 12:

```
/* In this query we search for the average value of the scores or ratings of all the games in the
database*/
select avg(score) AS average
from review,game
where (game.genre_type IN (select genre_type
                           from genre));
```

```
MariaDB [group13]> select avg(score) AS average
-> from review,game
-> where (game.genre_type IN (select genre_type
->                             from genre));
+-----+
| average |
+-----+
| 6.9000 |
+-----+
1 row in set (0,001 sec)

MariaDB [group13]> 
```