1.SELECT category.name, count(category.name) FROM item_category INNER JOIN purchase ON item_category.item_id = purchase.item_id

INNER JOIN category ON item_category.category_id = category.category_id GROUP BY category.name ;//Harshit

Get how popular is each category

```
MariaDB [group15]> SELECT category.name, count(category.name) FROM item_category INNER JOIN purchase ON item_category.item_id = purchase.item_id
    -> INNER JOIN category ON item_category.category_id = category.category_id GROUP BY category.name ;
+-------+----------------------+
| name  | count(category.name) |
+-------+----------------------+
| test1 |                    3 |
| test2 |                    4 |
+-------+----------------------+
```

2.SELECT item_id,count(item_id) as count_

FROM purchase

WHERE purchase_date >= curdate() - 7 GROUP BY item_id

HAVING count_ > 2 ORDER BY count_;//Andrey

Get books which was bought more then 2 times in last week

```
MariaDB [group15]> SELECT item_id,count(item_id) as count_ FROM  purchase WHERE purchase_date >= curdate() - 7 GROUP BY item_id HAVING count_ > 2 ORDER BY count_;
+---------+--------+
| item_id | count_ |
+---------+--------+
|       1 |      3 |
+---------+--------+
1 row in set (0.000 sec)
```

3.SELECT user_id, COUNT(user_id) as count_, GROUP_CONCAT(purchase_id) FROM purchase GROUP BY user_id;//Andrey

Get history for each user

```
MariaDB [group15]> SELECT user_id, COUNT(user_id) as count_, GROUP_CONCAT(purchase_id) FROM purchase GROUP BY user_id;
+---------+--------+--------------------------+
| user_id | count_ | GROUP_CONCAT(purchase_id) |
+---------+--------+--------------------------+
|       1 |      2 | 1,4                      |
|       2 |      2 | 2,3                      |
+---------+--------+--------------------------+
2 rows in set (0.000 sec)
```

4.SELECT * FROM item ORDER BY price desc;//Timur

Get books from expensive to cheap

```
MariaDB [group15]> SELECT * FROM item ORDER BY price desc;
+---------+-------+------------+--------+-------+-------------+
| item_id | title | picture_id | author | price | description |
+---------+-------+------------+--------+-------+-------------+
|       2 | test2 |          2 | test2  |   200 | test2       |
|       1 | test1 |          1 | test1  |   100 | test1       |
+---------+-------+------------+--------+-------+-------------+
2 rows in set (0.000 sec)
```

5.SELECT borrow_id from borrow WHERE return_date <= CURDATE() + 7;//Timur
Get which borrows will be returned in a week

```
MariaDB [group15]> select   borrow_id from   borrow WHERE   return_date <= CURDATE() + 7;
+-----------+
| borrow_id |
+-----------+
|         3 |
|         4 |
+-----------+
2 rows in set (0.000 sec)
```

6.SELECT * FROM book WHERE quantity <= 10;//Harshit

Get books which soon will be out of stock

```
ariaDB [group15]> SELECT * FROM book WHERE quantity <= 10;
---------+----------+
 book_id | quantity |
---------+----------+
       3 |        3 |
---------+----------+
```

7.SELECT * FROM news WHERE date >= curdate() -7; //Andrey

Get news from last week

```
MariaDB [group15]> SELECT * FROM news WHERE date >= curdate() -7;
+---------+-------+-------------+---------------------+
| news_id | title | description | date                |
+---------+-------+-------------+---------------------+
|       1 | test1 | test1       | 2022-10-12 00:00:00 |
+---------+-------+-------------+---------------------+
```

8.SELECT start_date, COUNT(simp_user.simp_user_id) as count_

FROM simp_user

WHERE start_date >= curdate() - 7 GROUP BY start_date

ORDER BY count_;//Timur

Get how many users decided to get subscription in last week on each date

```
MariaDB [group15]> SELECT start_date, COUNT(simp_user.simp_user_id) as count_  FROM simp_user  WHERE start_date >= curdate() - 7 GROUP BY start_date  ORDER BY count_;
+---------------------+--------+
| start_date          | count_ |
+---------------------+--------+
| 2022-10-12 00:00:00 |      1 |
+---------------------+--------+
1 row in set (0.000 sec)
```

9.SELECT item.item_id, item.title,book.quantity FROM item INNER JOIN book ON item.item_id = book.book_id;//Harshit

Get some info about book

```
MariaDB [group15]> SELECT item.item_id, item.title,book.quantity FROM item INNER JOIN book ON item.item_id = book.book_id;
+---------+-------+----------+
| item_id | title | quantity |
+---------+-------+----------+
|       1 | test1 |       30 |
|       2 | test2 |       40 |
|       3 | test3 |        3 |
+---------+-------+----------+
3 rows in set (0.000 sec)
```