

```
mysql> CREATE TABLE posts (
-> post_id INT PRIMARY KEY AUTO_INCREMENT,
-> user_id INT NOT NULL,
-> likes INT DEFAULT 0,
-> shares INT DEFAULT 0,
-> comments INT DEFAULT 0
-> );
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> INSERT INTO posts (user_id, likes, shares, comments) VALUES
-> (1, 100, 10, 5),
-> (1, 150, 15, 8),
-> (2, 50, 5, 2),
-> (2, 30, 3, 1),
-> (3, 200, 20, 12),
-> (3, 300, 30, 15),
-> (3, 250, 25, 10);
```

Query OK, 7 rows affected (0.01 sec)

Records: 7 Duplicates: 0 Warnings: 0

```
mysql> SELECT user_id, COUNT(*) AS total_posts
-> FROM posts
-> GROUP BY user_id;
```

```
+-----+-----+
| user_id | total_posts |
+-----+-----+
| 1 | 2 |
| 2 | 2 |
| 3 | 3 |
+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> SELECT user_id, SUM(likes) AS total_likes
-> FROM posts
-> GROUP BY user_id;
```

```
+-----+-----+
| user_id | total_likes |
+-----+-----+
| 1 | 250 |
| 2 | 80 |
| 3 | 750 |
+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> SELECT user_id, AVG(shares) AS avg_shares
```

```
-> FROM posts
```

```
-> GROUP BY user_id;
```

```
+-----+-----+
| user_id | avg_shares |
+-----+-----+
| 1 | 12.5000 |
| 2 | 4.0000 |
| 3 | 25.0000 |
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

```
mysql> SELECT user_id, MAX(likes) AS max_likes
```

```
-> FROM posts
```

```
-> GROUP BY user_id;
```

```
+-----+-----+
| user_id | max_likes |
+-----+-----+
| 1 | 150 |
| 2 | 50 |
| 3 | 300 |
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

```
mysql> SELECT user_id, MIN(comments) AS min_comments
```

```
-> FROM posts
```

```
-> GROUP BY user_id;
```

```
+-----+-----+
| user_id | min_comments |
+-----+-----+
| 1 | 5 |
| 2 | 1 |
| 3 | 10 |
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

```
mysql> SELECT user_id, SUM(likes) AS total_likes
```

```
-> FROM posts
```

```
-> GROUP BY user_id
```

```
-> HAVING SUM(likes) > 300;
```

```
+-----+-----+
| user_id | total_likes |
```

3	750

1 row in set (0.00 sec)

```
mysql> SELECT user_id, COUNT(*) AS total_posts
-> FROM posts
-> GROUP BY user_id
-> HAVING COUNT(*) < 3;
```

user_id	total_posts
1	2
2	2

2 rows in set (0.00 sec)

```
mysql> SELECT user_id, AVG(comments) AS avg_comments
-> FROM posts
-> GROUP BY user_id
-> HAVING AVG(comments) BETWEEN 5 AND 10;
```

user_id	avg_comments
1	6.5000

1 row in set (0.00 sec)

```
mysql> notee;
```