

## Задание 1:

```
CREATE DATABASE mydb_seminar2;
```

```
USE mydb_seminar2;
```

```
CREATE TABLE sales (
```

```
-> id INT,
```

```
-> order_date Date NOT NULL,
```

```
-> bucket VARCHAR(50)
```

```
-> );
```

```
INSERT INTO sales (id, order_date, bucket) VALUES (
```

```
-> 1, "2021-01-01", "101 to 300"
```

```
-> );
```

```
INSERT INTO sales (id, order_date, bucket) VALUES (
```

```
-> 1, "2021-01-02", "101 to 300");
```

```
INSERT INTO sales (id, order_date, bucket) VALUES (
```

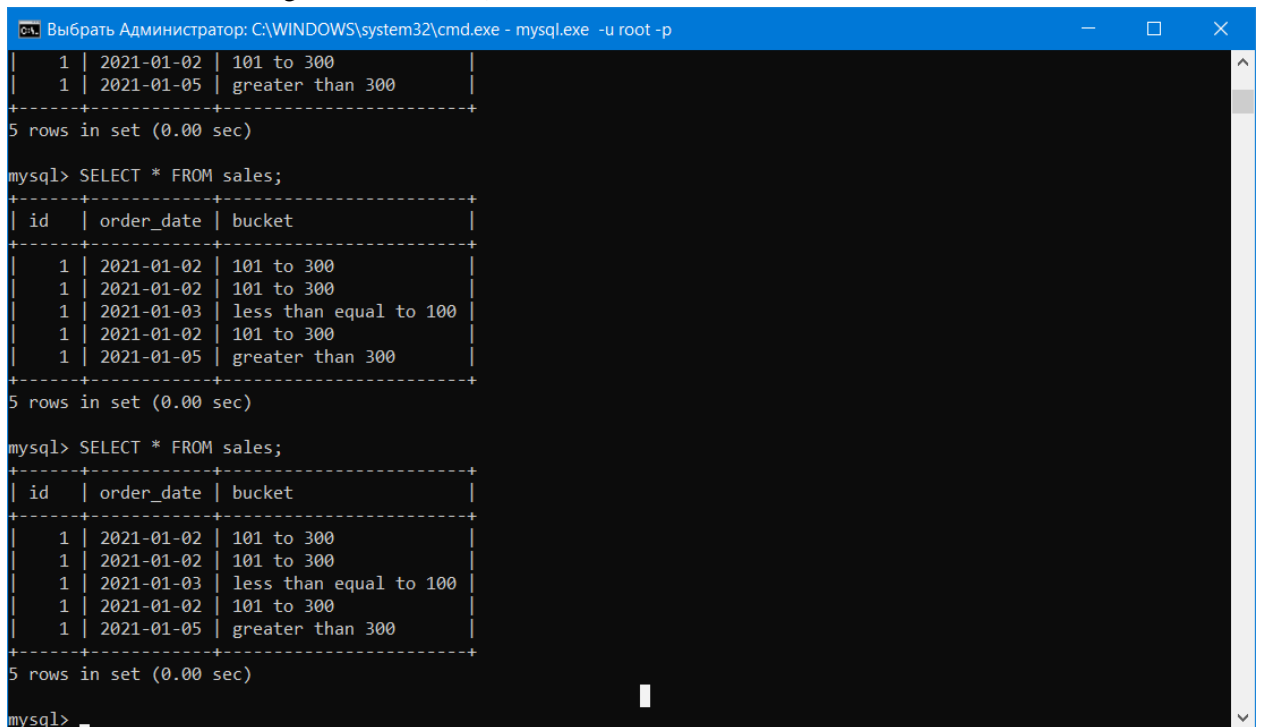
```
-> 1, "2021-01-03", "less than equal to 100");
```

```
INSERT INTO sales (id, order_date, bucket) VALUES (
```

```
-> 1, "2021-01-04", "101 to 300");
```

```
INSERT INTO sales (id, order_date, bucket) VALUES (
```

```
-> 1, "2021-01-05", "greater than 300");
```



```
mysql> SELECT * FROM sales;
```

id	order_date	bucket
1	2021-01-02	101 to 300
1	2021-01-02	101 to 300
1	2021-01-03	less than equal to 100
1	2021-01-02	101 to 300
1	2021-01-05	greater than 300

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

```
mysql> SELECT * FROM sales;
```

id	order_date	bucket
1	2021-01-02	101 to 300
1	2021-01-02	101 to 300
1	2021-01-03	less than equal to 100
1	2021-01-02	101 to 300
1	2021-01-05	greater than 300

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

```
mysql>
```

## Задание 2:

```
SELECT * FROM sales
```

```
-> WHERE bucket LIKE '%less%';
```

```
SELECT * FROM sales
```

```
-> WHERE bucket LIKE '%101%';
```

```
SELECT * FROM sales
```

```
-> WHERE bucket LIKE “%greater%”;
```

```
Администратор: C:\WINDOWS\system32\cmd.exe - mysql.exe -u root -p
mysql> SELECT * FROM sales
-> WHERE bucket LIKE '%less%';
+-----+-----+-----+
| id | order_date | bucket |
+-----+-----+-----+
| 1 | 2021-01-03 | less than equal to 100 |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM sales
-> WHERE bucket LIKE "%101%";
+-----+-----+-----+
| id | order_date | bucket |
+-----+-----+-----+
| 1 | 2021-01-02 | 101 to 300 |
| 1 | 2021-01-02 | 101 to 300 |
| 1 | 2021-01-02 | 101 to 300 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM sales
-> WHERE bucket LIKE "%greater%";
+-----+-----+-----+
| id | order_date | bucket |
+-----+-----+-----+
| 1 | 2021-01-05 | greater than 300 |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

## Задание 3:

CREATE TABLE orders (

- > ordreid INT PRIMARY KEY AUTO\_INCREMENT,
- > employeeid VARCHAR(3) NOT NULL,
- > amount DECIMAL(5,2) NOT NULL,
- > orderstatus VARCHAR(10) NOT NULL);

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e03", 15.00, "OPEN");

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e01", 25.50, "OPEN");

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e05", 100.70, "CLOSED");

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e02", 22.18, "OPEN");

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e04", 9.50, "CANCELLED");

INSERT INTO orders (employeeid, amount, orderstatus) VALUES (

- > "e04", 99.99, "OPEN");

SELECT ordreid, orderstatus,

- > CASE
- > WHEN orderstatus = "OPEN"
- > THEN "Order is in open state."
- > WHEN orderstatus = "CLOSED"
- > THEN "Order is closed."
- > ELSE "Order is cancelled."
- > END AS order\_summary
- > FROM orders;

```
Администратор: C:\WINDOWS\system32\cmd.exe - mysql.exe -u root -p
-> FROM orders;
ERROR 1054 (42S22): Unknown column 'orderid' in 'field list'
mysql> SELECT ordreid, orderstatus,
-> CASE
-> WHEN orderstatus = "OPEN"
-> THEN "Order is in open state."
-> WHEN orderstatus = "CLOSED"
-> THEN "Order is closed."
-> ELSE "Order is cancelled."
-> END AS order_summary
-> FROM orders;

+-----+-----+-----+
| ordreid | orderstatus | order_summary |
+-----+-----+-----+
| 1 | OPEN | Order is in open state. |
| 2 | OPEN | Order is in open state. |
| 3 | CLOSED | Order is closed. |
| 4 | OPEN | Order is in open state. |
| 5 | CANCELLED | Order is cancelled. |
| 6 | OPEN | Order is in open state. |
+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
```