```
mysql> CREATE TABLE inventory (
    -> item_id INT PRIMARY KEY AUTO_INCREMENT,
    -> item_name VARCHAR(50) NOT NULL,
    -> quantity INT NOT NULL
    ->);
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> INSERT INTO inventory (item_name, quantity) VALUES ('Apple', 50);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO inventory (item_name, quantity) VALUES ('Banana', 30);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO inventory (item_name, quantity) VALUES ('Orange', 20);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> CREATE user 'tester'@'localhost' IDENTIFIED by 'tester';
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> GRANT all privileges on ADS.* TO 'tester'@'localhost';
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql>
```

```
→ ~ docker exec —it mysqlContainer bash
bash—5.1#
bash—5.1# mysql —utester —p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 9.0.0 MySQL Community Server — GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

```
mysql> UPDATE inventory
        -> SET quantity = 30
        -> WHERE item_name = 'apple'
   Query OK, 1 row affected (0.01 sec)
   Rows matched: 1 Changed: 1 Warnings: 0
   mysql>
    mysql> select * from inventory ;
       item_id | item_name | quantity
              1 | Apple
                                        50
              2 | Banana
                                        30
              3 | Orange
                                        20
     3 rows in set (0.00 sec)
    mysql>
mysql> SELECT * FROM inventory WHERE item_name = 'Apple' FOR UPDATE;
+----+
| item_id | item_name | quantity |
  -----
     1 | Apple |
1 row in set (0.00 sec)
mysql>
mysql> UPDATE inventory
  -> SET quantity = 30
   -> WHERE item name = 'apple'
ERROR 1205 (HY000): Lock wait timeout exceeded; try restarting transaction
mysql>
[mysql> UPDATE inventory
  -> SET quantity = 30
   -> WHERE item_name = 'apple'
  -> ;
ERROR 1205 (HY000): Lock wait timeout exceeded; try restarting transaction
mysql>
mysql> commit ;
Query OK, 0 rows affected (0.00 sec)
```