Ejercicio 4

Ejecute concurrentemente las transacciones en Mysql y describa lo que sucede con las transacciones y la tabla con la que se trabaja.

1. mysql> set autocommit=0;
    Query OK, 0 rows affected (0.00 sec)
3. mysql> select * from bank where id=32 for update;
    +------+-------+
    | id | debit |
    +------+-------+
    | 32 | 777 |
    +------+-------+
    1 row in set (0.00 sec)
5. mysql> update bank set debit=111 where id=32;
    Query OK, 1 row affected (0.00 sec)
    Rows matched: 1 Changed: 1 Warnings: 0
 	
6. mysql> commit;
    Query OK, 0 rows affected (0.01 sec)
	2. mysql> set autocommit=0;
	    Query OK, 0 rows affected (0.00 sec)
	4. mysql> select * from bank where id=32 for update;
	.
	.
	.
	.
	.
	.
	.> Wait unlock
	.
	.
	.
	.
	.
	
	7. mysql> select * from bank where id=32 for update;
	    +------+-------+

8. mysql> select * from bank;
```
+------+-------+
| id | debit |
+------+-------+
| 32 | 111 |
| 66 | 3453 |
+------+-------+
2 rows in set (0.00 sec)
```

10. mysql> set autocommit=0;
```
        Query OK, 0 rows affected (0.00 sec)
```
11. mysql> update bank set debit=000 where id=32;
```
        Query OK, 1 row affected (6.88 sec)
        Rows matched: 1 Changed: 1 Warnings: 0
```
12. mysql> select * from bank;
```
+------+-------+
| id | debit |
+------+-------+
| 32 | 0 |
| 66 | 3453 |
+------+-------+
2 rows in set (0.00 sec)
```
14. mysql> commit;
```
        Query OK, 0 rows affected (0.00 sec)
```

15. mysql> select * from bank;

```
| id | debit |
+------+-------+
| 32 | 111 |
+------+-------+
1 row in set (32.45 sec)
```

9. mysql> rollback;
```
        Query OK, 0 rows affected (0.00 sec)
```

13. mysql> select * from bank;
```
+------+-------+
| id | debit |
+------+-------+
| 32 | 111 |
| 66 | 3453 |
+------+-------+
2 rows in set (0.00 sec)
```

```
+------+-------+
| id | debit |
+------+-------+
| 32 | 0 |
| 66 | 3453 |
+------+-------+
2 rows in set (0.00 sec)
```

16. mysql> select * from bank;
```
+------+-------+
| id | debit |
+------+-------+
| 32 | 0 |
| 66 | 3453 |
+------+-------+
2 rows in set (0.00 sec)
```