



UNCA
Praeteritum Noscere Posterum Melior

BASE DE DATOS II
Concurrencia

Ejercicio 1

Partiendo del esquema siguiente, ejecute concurrentemente las transacciones en Mysql y describa lo que sucede con las transacciones y la tabla con la que se trabaja.

mysql> desc bank;

```

+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| id    | int(11) |    | PRI | 0       |      |
| debit | float  | YES  |     | NULL    |      |
+-----+-----+-----+-----+

```

T1	T2
<pre> mysql> set autocommit=0; Query OK, 0 rows affected (0.09 sec) mysql> select * from bank; +-----+-----+ id debit +-----+-----+ 32 999 </pre>	<pre> mysql> set autocommit=0; Query OK, 0 rows affected (0.00 sec) mysql> select * from bank; +-----+-----+ id debit +-----+-----+ 32 999 </pre>

```
| 64 | 7865 |
+-----+-----+
2 rows in set (0.00 sec)
mysql> insert into bank values(66,3453);
Query OK, 1 row affected (0.09 sec)

mysql> select * from bank;
+-----+-----+
| id | debit |
+-----+-----+
| 32 | 999 |
| 64 | 7865 |
+-----+-----+
2 rows in set (0.15 sec)
mysql> select * from bank;
+-----+-----+
| id | debit |
+-----+-----+
| 32 | 999 |
| 64 | 7865 |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from bank;
+-----+-----+
| id | debit |
+-----+-----+
| 32 | 999 |
| 64 | 7865 |
| 66 | 3453 |
+-----+-----+
3 rows in set (0.00 sec)
mysql> delete from bank where id=64;
Query OK, 1 row affected (0.12 sec)
```

```
mysql> select * from bank;
```

```
  +-----+-----+  
  | id | debit |  
  +-----+-----+  
  | 32 | 999 |  
  | 66 | 3453 |  
  +-----+-----+  
  2 rows in set (0.00 sec)
```

```
mysql> commit;
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> set autocommit=0;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from bank;
```

```
  +-----+-----+  
  | id | debit |  
  +-----+-----+  
  | 32 | 999 |  
  | 66 | 3453 |  
  +-----+-----+  
  2 rows in set (0.00 sec)
```

```
mysql> rollback;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from bank;
```

```
  +-----+-----+  
  | id | debit |  
  +-----+-----+  
  | 32 | 999 |  
  | 64 | 7865 |  
  +-----+-----+  
  2 rows in set (0.00 sec)
```

```
mysql> commit;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> set autocommit=0;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from bank;
```

```
  +-----+-----+  
  | id | debit |  
  +-----+-----+  
  | 32 | 999 |  
  | 66 | 3453 |  
  +-----+-----+  
  2 rows in set (0.00 sec)
```

```
mysql> rollback;
```

```
Query OK, 0 rows affected (0.01 sec)
```