

```

mysql> CREATE DATABASE user1_db;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE DATABASE user2_db;
Query OK, 1 row affected (0.01 sec)

mysql>
mysql> CREATE USER 'user1'@'localhost' IDENTIFIED BY 'password1';
Query OK, 1 row affected (0.02 sec)
mysql> CREATE USER 'user2'@'localhost' IDENTIFIED BY 'password2';
Query OK, 1 row affected (0.02 sec)
mysql> -- Create DEPARTMENTS table for user1
mysql> USE user1_db;
Database changed
mysql> CREATE TABLE DEPARTMENTS (
  ->     department_id INT PRIMARY KEY,
  ->     department_name VARCHAR(50)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> -- Create DEPARTMENTS table for user2
mysql> USE user2_db;
Database changed
mysql> CREATE TABLE DEPARTMENTS (
  ->     department_id INT PRIMARY KEY,
  ->     department_name VARCHAR(50)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> -- Grant access from user1 to user2
mysql> USE user1_db;
Database changed
mysql> GRANT SELECT ON DEPARTMENTS TO 'user2'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql> -- Grant access from user2 to user1
mysql> USE user2_db;
Database changed
mysql> GRANT SELECT ON DEPARTMENTS TO 'user1'@'localhost';
Query OK, 0 rows affected (0.00 sec)

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```

mysql> SELECT * FROM DEPARTMENTS;
+-----+-----+
| department_id | department_name |
+-----+-----+
|          1 | Marketing       |
|          2 | Human Resources |
|          3 | Finance         |
|          4 | IT              |
+-----+-----+
4 rows in set (0.00 sec)

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```
mysql> INSERT INTO DEPARTMENTS (department_id, department_name)
-> VALUES (500, 'Education');
Query OK, 1 row affected (0.01 sec)

mysql> GRANT SELECT ON user1_db.DEPARTMENTS TO 'user2'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO DEPARTMENTS (department_id, department_name)
-> VALUES (510, 'Human Resources');
Query OK, 1 row affected (0.01 sec)

mysql> GRANT SELECT ON user2_db.DEPARTMENTS TO 'user1'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql> USE user2_db;
Database changed
mysql> SELECT * FROM DEPARTMENTS;
+-----+-----+
| department_id | department_name |
+-----+-----+
|          1   | Marketing       |
|          2   | Human Resources |
|          3   | Finance         |
|          4   | IT              |
|         500   | Education       |
|         510   | Human Resources |
+-----+-----+
6 rows in set (0.00 sec)
```

```
mysql> SELECT table_name, table_schema, table_rows
-> FROM information_schema.tables
-> WHERE table_schema = 'user1_db';
+-----+-----+-----+
| TABLE_NAME | TABLE_SCHEMA | TABLE_ROWS |
+-----+-----+-----+
| departments | user1_db      |          2   |
+-----+-----+-----+
1 row in set (0.01 sec)

mysql> SELECT table_name, table_schema, table_rows
-> FROM information_schema.tables
-> WHERE table_schema = 'user2_db';
+-----+-----+-----+
| TABLE_NAME | TABLE_SCHEMA | TABLE_ROWS |
+-----+-----+-----+
| departments | user2_db      |          6   |
+-----+-----+-----+
1 row in set (0.01 sec)
```

```
mysql> REVOKE SELECT ON DEPARTMENTS FROM 'user1'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> REVOKE SELECT ON DEPARTMENTS FROM 'user2'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> DELETE FROM DEPARTMENTS WHERE DEPARTMENT_ID = 510;  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> DELETE FROM DEPARTMENTS WHERE DEPARTMENT_ID = 500;  
Query OK, 0 rows affected (0.00 sec)
```