**Data control language (DCL) Log file**

**1.Mr Elmehdi Elbouhtouri**

mysql> SELECT User, Host FROM mysql.user;

+------------------+-----------+

| User | Host |

+------------------+-----------+

| mysql.infoschema | localhost |

| mysql.session | localhost |

| mysql.sys | localhost |

| root | localhost |

+------------------+-----------+

4 rows in set (4.07 sec)

mysql> CREATE USER 'elbouhtouri'@'localhost' IDENTIFIED BY 'elbouhtouri123';

Query OK, 0 rows affected (2.47 sec)

mysql> SHOW GRANTS FOR elbouhtouri@localhost;

+-------------------------------------------------+

| Grants for elbouhtouri@localhost |

+-------------------------------------------------+

| GRANT USAGE ON \*.\* TO `elbouhtouri`@`localhost` |

+-------------------------------------------------+

1 row in set (0.08 sec)

mysql> REVOKE ALL PRIVILEGES ON \*.\* FROM 'elbouhtouri'@'localhost';

Query OK, 0 rows affected (0.14 sec)

mysql> SHOW GRANTS FOR elbouhtouri@localhost;

+-------------------------------------------------+

| Grants for elbouhtouri@localhost |

+-------------------------------------------------+

| GRANT USAGE ON \*.\* TO `elbouhtouri`@`localhost` |

+-------------------------------------------------+

1 row in set (0.00 sec)

mysql> GRANT INSERT, UPDATE, DELETE, SELECT on invoicedb.\* TO 'elbouhtouri'@'localhost';

Query OK, 0 rows affected (0.61 sec)

mysql> SHOW GRANTS FOR elbouhtouri@localhost;

+-----------------------------------------------------------------------------------------------+

| Grants for elbouhtouri@localhost |

+-----------------------------------------------------------------------------------------------+

| GRANT SELECT, INSERT, UPDATE, DELETE ON invoicedb.\* TO `elbouhtouri`@`localhost` |

+-----------------------------------------------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT CURRENT\_USER();

+----------------+

| CURRENT\_USER() |

+----------------+

| root@localhost |

+----------------+

1 row in set (0.04 sec)

mysql> SELECT CURRENT\_USER();

+-----------------------+

| CURRENT\_USER() |

+-----------------------+

| elbouhtouri@localhost |

+-----------------------+

1 row in set (0.00 sec)

mysql> select count(\*) from invoicedb.facture;

+----------+

| count(\*) |

+----------+

| 0 |

+----------+

1 row in set (0.28 sec)

mysql> CREATE TABLE employee (

-> id INT PRIMARY KEY,

-> first\_name VARCHAR(50),

-> last\_name VARCHAR(50),

-> email VARCHAR(100),

-> phone\_number VARCHAR(20),

-> address VARCHAR(100)

-> );

ERROR 1142 (42000): CREATE command denied to user 'elbouhtouri'@'localhost' for table '

**2. His co-worker**:

mysql> CREATE USER 'employee'@'localhost' IDENTIFIED BY 'employee123';

Query OK, 0 rows affected (0.77 sec)

mysql> SELECT User, Host FROM mysql.user;

+------------------+-----------+

| User | Host |

+------------------+-----------+

| elbouhtouri | localhost |

| employee | localhost |

| mysql.infoschema | localhost |

| mysql.session | localhost |

| mysql.sys | localhost |

| root | localhost |

+------------------+-----------+

6 rows in set (0.00 sec)

mysql> REVOKE ALL PRIVILEGES ON \*.\* FROM 'elbouhtouri'@'localhost';

Query OK, 0 rows affected (0.30 sec)

mysql> GRANT SELECT on invoicedb.\* TO 'employee'@'localhost';

Query OK, 0 rows affected (0.11 sec)

mysql> SHOW GRANTS FOR employee@localhost;

+---------------------------------------------------------+

| Grants for employee@localhost |

+---------------------------------------------------------+

| GRANT USAGE ON \*.\* TO `employee`@`localhost` |

| GRANT SELECT ON `invoicedb`.\* TO `employee`@`localhost` |

+---------------------------------------------------------+

2 rows in set (0.00 sec)

mysql> SELECT CURRENT\_USER();

+-----------------------+

| CURRENT\_USER() |

+-----------------------+

| employee@localhost |

+-----------------------+

1 row in set (0.00 sec)

mysql> select count(\*) from invoicedb.commande;

+----------+

| count(\*) |

+----------+

| 0 |

+----------+

mysql> CREATE TABLE employee (

-> id INT PRIMARY KEY,

-> first\_name VARCHAR(50),

-> last\_name VARCHAR(50),

-> email VARCHAR(100),

-> phone\_number VARCHAR(20),

-> address VARCHAR(100)

-> );

ERROR 1142 (42000): CREATE command denied to user 'employee'@'localhost' for table '

employee'