**Help Document for group10cars security**

This Document will help manage the database privileges as show below.

The most commonly used privileges are:

* ALL PRIVILEGES – Grants all privileges to a user account.
* CREATE – The user account is allowed to create databases and tables.
* DROP - The user account is allowed to drop databases and tables.
* DELETE - The user account is allowed to delete rows from a specific table.
* INSERT - The user account is allowed to insert rows into a specific table.
* SELECT – The user account is allowed to read a database.
* UPDATE - The user account is allowed to update table rows.

The do these steps please use the mysql console windows.

**Admin Details**

**database: group10cars**

**UserName: Admin**

**Password:0000**

To create user and give password.

* mysql>CREATE USER 'Admin'@'localhost' IDENTIFIED BY '0000';

Grant all privileges to a user account over a specific database:

* Type below into mysql console to grant privilages to all.

mysql>GRANT ALL PRIVILEGES ON group10cars.\* TO 'Admin'@'localhost';

User gets all the list below.

* Type below into mysql console to view grants.

mysql>SHOW GRANTS FOR 'Admin'@'localhost';

Output from show grants below

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

| Grants for Admin@localhost |

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| GRANT USAGE ON \*.\* TO 'Admin'@'localhost' |

| GRANT ALL PRIVILEGES ON `group10cars`.\* TO 'Admin'@'localhost' WITH GRANT OPTION |

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**Manager Details**

**database: group10cars**

**UserName: Manager**

**Password:1111**

To create user and give password.

* mysql>CREATE USER 'Manager'@'localhost' IDENTIFIED BY '1111';

This user will have the following privilages

* DELETE - The user account is allowed to delete rows from a specific table.
* INSERT - The user account is allowed to insert rows into a specific table.
* SELECT – The user account is allowed to read a database.

To Grant multiple privileges to a user account over a specific database:

mysql>GRANT SELECT, INSERT, DELETE ON group10cars.\* TO Manager@'localhost';

Type below into mysql console to view grants.

mysql>SHOW GRANTS FOR 'Manager'@'localhost';

Output from show grants below

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

| Grants for Manager@localhost |

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| GRANT USAGE ON \*.\* TO 'Manager'@'localhost' |

| GRANT SELECT, INSERT, DELETE ON `group10cars`.\* TO 'Manager'@'localhost' |

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**Warehouse Details**

database: group10cars

UserName: Warehouse

Password:2222

To create user and give password.

mysql>CREATE USER 'Warehouse'@'localhost' IDENTIFIED BY '2222';

To grant specific privileges to a user account, use the following syntax:

* DELETE - The user account is allowed to delete rows from a specific table.
* INSERT - The user account is allowed to insert rows into a specific table.
* SELECT – The user account is allowed to read a database.

GRANT SELECT, INSERT, DELETE ON group10cars.car\_products TO Warehouse@'localhost';

GRANT SELECT, INSERT, DELETE ON group10cars.car\_suppliers TO Warehouse@'localhost';

GRANT SELECT, INSERT, DELETE ON group10cars.orders\_details TO Warehouse@'localhost';

GRANT SELECT, INSERT, DELETE ON group10cars.shipping\_info TO Warehouse@'localhost';

Type below into mysql console to view grants.

mysql>SHOW GRANTS FOR 'Warehouse'@'localhost';

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| Grants for Warehouse@localhost |

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| GRANT USAGE ON \*.\* TO 'Warehouse'@'localhost' |

| GRANT SELECT, INSERT, DELETE ON `group10cars`.`shipping\_info` TO 'Warehouse'@'localhost' |

| GRANT SELECT, INSERT, DELETE ON `group10cars`.`car\_suppliers` TO 'Warehouse'@'localhost' |

| GRANT SELECT, INSERT, DELETE ON `group10cars`.`orders\_details` TO 'Warehouse'@'localhost' |

| GRANT SELECT, INSERT, DELETE ON `group10cars`.`car\_products` TO 'Warehouse'@'localhost' |

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**Staff Details**

**database: group10cars**

**UserName: Staff**

**Password:3333**

To create user and give password.

CREATE USER 'Staff'@'localhost' IDENTIFIED BY '3333';

To grant specific privileges to a user account, use the following syntax:

* SELECT – The user account is allowed to read a database.

GRANT SELECT ON group10cars.\* TO Staff@'localhost';

Type below into mysql console to view grants.

SHOW GRANTS FOR 'Staff'@'localhost';

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| Grants for Staff@localhost |

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| GRANT USAGE ON \*.\* TO 'Staff'@'localhost' |

| GRANT SELECT ON `group10cars`.\* TO 'Staff'@'localhost' |

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