

# Mawlana Bhashani Science and Technology University

# Lab-Report

Report No: 05

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## Submitted by

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## **Submitted To**

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**Experiment no:** 05

**Experiment Name:** Connencting a database (MySQL) with linux.

## Theory:

Many Linux distributions include a version of the MySQL server, client tools, and development components in their native software repositories and can be installed with the platforms' standard package management systems. This section provides basic instructions for installing MySQL using those package management systems.

## **Working Process:**

#### 1) Install MySQL on Ubuntu:

sudo apt-get update
sudo apt-get install mysql-server
mysql\_secure\_installation

```
■ naim@naim-HP~

File Edit View Search Terminal Help

mysql.service - MySQL Community Server
Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2020-09-10 18:58:55 +06; 1min 16s ago
Main PID: 5448 (mysqld)
CGroup: /system.slice/mysql.service
L5448 /usr/sbin/mysqld

Sep 10 18:58:54 naim-HP systemd[1]: Starting MySQL Community Server...
Sep 10 18:58:55 naim-HP systemd[1]: Started MySQL Community Server.

~
~
```

#### 2) Log into MySQL by Linux.

```
maim@naim-HP ~ $ sudo mysql -u root -p
[sudo] password for naim:
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.7.31-0ubuntu0.16.04.1 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
■
```

#### 3) Create database table.

```
mysql> show databases;
Database
information_schema
 mysql
 performance_schema
 sys
4 rows in set (0.00 sec)
mysql> create database naim;
Query OK, 1 row affected (0.00 sec)
mysql> show databases;
 Database
 information_schema
 mysql
 naim
 performance schema
 sys
5 rows in set (0.00 sec)
```

#### 4) Insert data into table.

#### 5)Describe table.

#### 6) Alter table.

### 7) Modify table.

### 8) Drop data from table.

#### 9) Update data of table.

## 10) Where and delete operation.

## **Discussion:**

MySQL is globally renowned for being the most secure and reliable database management system used in popular web applications. It takes less time to install mysql in linux and quite easier from windows. We can work in Mysql through some command which is very easy in linux operating system. It manages memory very well.