

Mawlana Bhashani Science and Technology University

Lab-Report

Lab Report No: 05

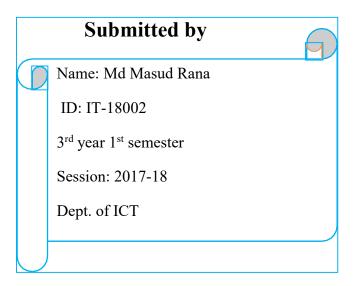
Lab Report Name: Connecting a database (MySQL) with Linux .

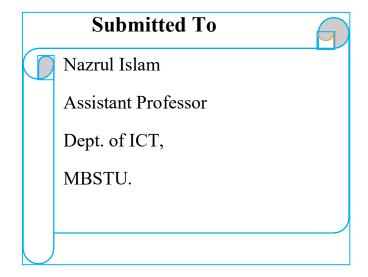
Course code: ICT-3110

Course title: Operating System Lab

Date of Performance: 14-09-2020

Date of Submission:





Experiment No: 05

Experiment Name: Connecting a database (MySQL) with Linux.

• Install MySQL on Ubuntu-

sudo apt-get install mysql-server

```
masud@masud-VirtualBox:~$ sudo apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version (5.7.31-0ubuntu0.18.04.1).
0 upgraded, 0 newly installed, 0 to remove and 354 not upgraded.
```

2.Log into mysql-

```
masud@masud-VirtualBox:~$ sudo mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.7.31-0ubuntu0.18.04.1 (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 |
masud
milon
| mysql
| performance_schema |
sys
6 rows in set (0.00 sec)
mysql> create database masudrana;
Query OK, 1 row affected (0.00 sec)
mysql> show databases;
| Database |
+----+
| information_schema |
masud
masudrana
| milon
mysql
| performance_schema |
7 rows in set (0.00 sec)
```

4. Insert data into table-

5. Describe table-

6. alter table-

7. modify table-

```
mysql> alter table bird modify id varchar(10);
Ouery OK, 1 row affected (0.25 sec)
Records: 1 Duplicates: 0 Warnings: 0
mysql> describe bird;
                 | Null | Key | Default | Extra
Field | Type
Name | varchar(50) | YES
                                  NULL
       | varchar(10) | YES
                                 NULL
| Cgpa | varchar(20) | YES
                                 NULL
| Dept | varchar(20) | YES
                                 NULL
4 rows in set (0.00 sec)
mysql>
```

8. drop data from table-

```
mysql> describe bird;
| Name | varchar(50) | YES |
                            NULL
| id  | varchar(10) | YES |
                            NULL
| Cgpa | varchar(20) | YES |
| Dept | varchar(20) | YES |
                            NULL
                            NULL
4 rows in set (0.00 sec)
mysql> alter table bird drop Cgpa;
Query OK, 0 rows affected (0.14 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe bird;
| Name | varchar(50) | YES | | NULL
      | varchar(10) | YES |
                            NULL
 Dept | varchar(20) | YES |
                            NULL
3 rows in set (0.00 sec)
```

9. update data of table-

10. Where and delete operation-

<u>Discussion:</u> In this lab is we learn how connecting database with linux. For connecting database at first we install mysql server and log into mysql. After that we create database and table. Then we insert the value and then we use different commands for different purposes.