

Lab Report

1. Install mysql “mysql-5.5.22-win32” on your machine.

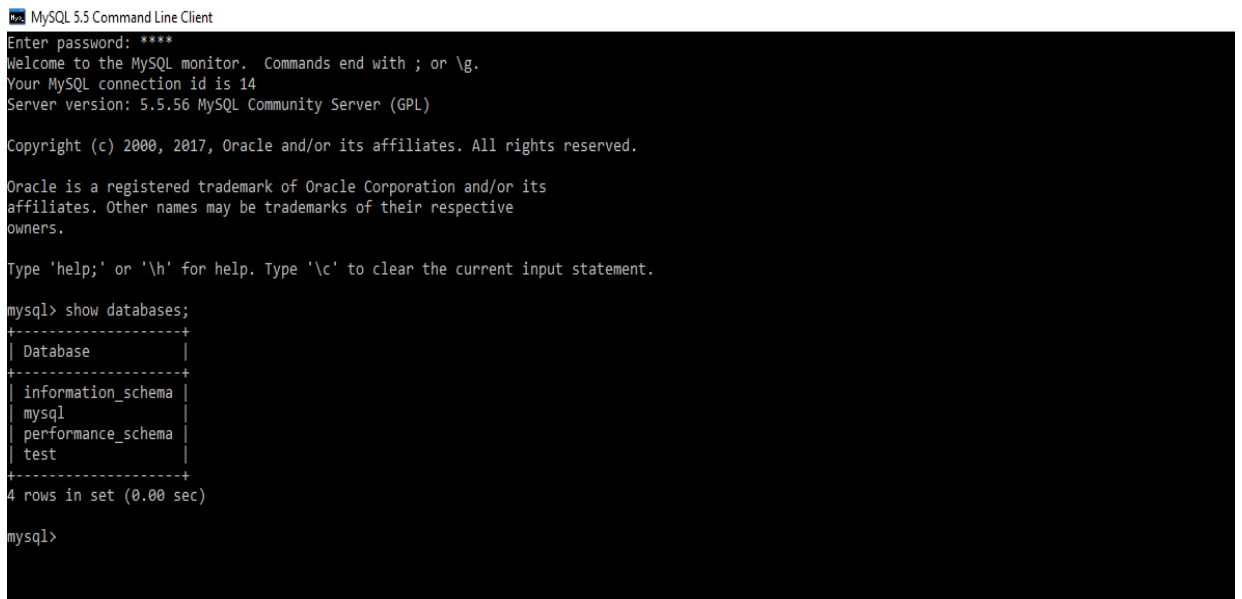
Ans: MySql was installed.

2. Run mysql with password root.



3. Run the command which shows the existing databases.

Ans : Syntax: show databases;



4. Select one of the database. For example test database.

Ans: Syntax: use test;

```
MySQL 5.5 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 5.5.56 MySQL Community Server (GPL)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
| test       |
+-----+
4 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql>
```

5. Find the information inside the database test.

Ans: show tables;

```
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Welcome to the MySQL monitor.  Commands end with ; or \g.
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mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
| test       |
+-----+
4 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql>
```

6. Consider the insurance database given below. The data types are specified: inside the database just you created . Create the table specified below.
- a. Create a database of the name yourname_vehicleinsurance.

Ans: Code: create database Ashish_vehicleinsurance;

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+
4 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> CREATE DATABASE Ashish_VehicleInsurances;
Query OK, 1 row affected (0.00 sec)

mysql>
```

- b. Use drop command to drop the database just you created and show the result.

Ans: Code: drop database Ashish_vehicleinsurance;
Show databases;

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+
4 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> CREATE DATABASE Ashish_VehicleInsurances;
Query OK, 1 row affected (0.00 sec)

mysql> DROP DATABASE Ashish_VehicleInsurances;
Query OK, 0 rows affected (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+
4 rows in set (0.00 sec)
```

- c. Create a database of the name yourname_vehicleinsurance.

Ans: Code: create database Ashish_vehicleinsurance;

```
MySQL 5.5 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.5.56 MySQL Community Server (GPL)

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owners.

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

mysql> CREATE DATABASE Ashish_VehicleInsurance;
Query OK, 1 row affected (0.00 sec)

mysql> _
```

- d. Create the above tables yourname_tablename by property specifying the database.

Ans: Code:

Use database Ashish_vehicleinsurance;

```
create table Ashish_person(
    driver_id varchar(255),
    name varchar(255),
    address varchar(255)
);

create table Ashish_car(
    regno varchar(255),
    model varchar(255),
    year int
);

create table Ashish_accident(
    report_number int,
    date date,
    location varchar(255)
);

create table Ashish_owns(
    driver_id varchar(255),
    regno varchar(255)
);

create table Ashish_participated(
    driver_id varchar(255),
    regno varchar(255),
    report_number int,
    damage_amount int
);
```

```

MySQL 5.5 Command Line Client
owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ashish_vehicleinsurance |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.09 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> source C:\Users\subed\Desktop\Ashish.sql
Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.06 sec)

mysql>

```

e. Write a query to display the column name and datatype of the table person.

Ans: Code : describe ashish_person;

```

MySQL 5.5 Command Line Client
information_schema
ashish_vehicleinsurance
mysql
performance_schema
test
+-----+
5 rows in set (0.09 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> source C:\Users\subed\Desktop\Ashish.sql
Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.06 sec)

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
| ashish_person |
+-----+
5 rows in set (0.00 sec)

mysql> describe ashish_person;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| driver_id | varchar(255) | YES | | NULL | |
| name | varchar(255) | YES | | NULL | |
| address | varchar(255) | YES | | NULL | |
+-----+
3 rows in set (0.05 sec)

mysql>

```

f. Use drop command to drop tables and show result.

Ans: Code: drop table ashish_person;

```
MySQL 5.5 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.5.56 MySQL Community Server (GPL)

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ashish_vehicleinsurance |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.01 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> drop table ashish_person;
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
+-----+
4 rows in set (0.00 sec)
```

g. Again create using the same name for the tables.

Ans: Code: create table ashish_person(driver_id varchar(255),name varchar(255),address varchar(255));

```
MySQL 5.5 Command Line Client
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ashish_vehicleinsurance |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.01 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> drop table ashish_person;
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
+-----+
4 rows in set (0.00 sec)

mysql> create table ashish_person(driver_id varchar(255),name varchar(255),address varchar(255));
Query OK, 0 rows affected (0.11 sec)

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
| ashish_person |
+-----+
5 rows in set (0.00 sec)
```

- h. Enter at least five tuples for each relation.

Ans:Code:

```
Ashish - Notepad
File Edit Format View Help
INSERT INTO Ashish_person(driver_id,name,address) VALUES('1','Ned','WinterFell'),('2','Jon','WinterFell'),('3','Arya','WinterFell'),('4','Danaerys','Targaryen'),('5','',
INSERT INTO Ashish_car(regno,model,year) VALUES('1','Mercedes','2001'),('2','arcedez','2017'),('3','Marceez','2018'),('4','Marce','2088'),('5','Marcede','2007');
INSERT INTO Ashish_accident(report_number,date,location) VALUES('201','2022/12/5','Kirtipur'),('202','2015/10/5','Dharan'),('203','2022/10/5','Biratnagar'),('204','2011
INSERT INTO Ashish_owns(driver_id,regno) VALUES('1','1992'),('2','1994'),('3','1995'),('4','1996'),('5','1997');
INSERT INTO Ashish_participated(driver_id,regno,report_number,damage_amount) VALUES('1','2991','1901','1001'),('2','2992','1902','1002'),('3','2993','1903','1003'),('4'
```

```
MySQL 5.5 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.5.56 MySQL Community Server (GPL)

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ashish_vehicleinsurance |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.00 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> source C:\Users\subed\Desktop\Ashish.sql
Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

- i. Write a query for create a from an existing table with all fields.

Ans: Code: create table new_person as select * from ashish_person;

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ashish_vehicleinsurance |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.00 sec)

mysql> use ashish_vehicleinsurance;
Database changed
mysql> source C:\Users\subed\Desktop\Ashish.sql
Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5  Duplicates: 0  Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> CREATE TABLE new_person as SELECT * FROM ashish_person;
Query OK, 10 rows affected (0.13 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

- j. Write a query for create a from an existing table with selected fields.

Ans: Code: create table person select driver_id, name from ashish_person;

```

mysql> MySQL 5.5 Command Line Client
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5 Duplicates: 0 Warnings: 0

Query OK, 5 rows affected (0.03 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE new_person AS SELECT * FROM ashish_person;
Query OK, 10 rows affected (0.13 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE person SELECT driver_id,name FROM ashish_person;
Query OK, 10 rows affected (0.09 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql> show tables;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'show tables'
at line 1
mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| ashish_accident                    |
| ashish_car                         |
| ashish_owns                        |
| ashish_participated                |
| ashish_person                      |
| new_person                         |
| person                             |
+-----+
7 rows in set (0.00 sec)

mysql> describe person;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| driver_id | varchar(255) | YES | | NULL | |
| name | varchar(255) | YES | | NULL | |
+-----+
2 rows in set (0.01 sec)

mysql>

```

- k. Write a query for create a new table from an existing table without any record.**

Code: create table accident as select * from ashish_accident where location = "Kirtipur";

```
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```

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

```
mysql> use ashish_vehicleinsurance;
Database changed
mysql> show tables;
```

Tables_in_ashish_vehicleinsurance
ashish_accident
ashish_car
ashish_owns
ashish_participated
ashish_person
new_person
person

```
-----+-----
7 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE accident AS SELECT * FROM ashish_accident WHERE location="Kirtipur";
Query OK, 2 rows affected (0.09 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql> show tables;
```

Tables_in_ashish_vehicleinsurance
accident
ashish_accident
ashish_car
ashish_owns
ashish_participated
ashish_person
new_person
person

```
-----+-----
8 rows in set (0.00 sec)
```


I. Write a query to rename table person to pers.

Ans: rename table person to pers;

```
MySQL 5.5 Command Line Client
+-----+
| ashish_person |
| new_person   |
| person       |
+-----+
7 rows in set (0.00 sec)

mysql> CREATE TABLE accident AS SELECT * FROM ashish_accident WHERE location="Kirtipur";
Query OK, 2 rows affected (0.09 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| accident |
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
| ashish_person |
| new_person |
| person |
+-----+
8 rows in set (0.00 sec)

mysql> rename table person to pers;
Query OK, 0 rows affected (0.05 sec)

mysql> show tables;
+-----+
| Tables_in_ashish_vehicleinsurance |
+-----+
| accident |
| ashish_accident |
| ashish_car |
| ashish_owns |
| ashish_participated |
| ashish_person |
| new_person |
| pers |
+-----+
8 rows in set (0.00 sec)
```