MySQL

BASICS

1. To open through cmd : mysql -u root -p

2. To view all available databases : show databases;

3. To exit : EXIT;

4. To view available users and host : select user,host from mysql.user;

5. To add a new user : create user username identified by ‘password’;
   here username corresponds username@hostname ie it has two parts name and hostname
   eg : rahul@localhost

6. To delete a user : drop user username;

7. To clear screen press : ctrl + L

DATABASE

1. Creating database : create database database_name;

2. Accessing/selecting the database : use database_name;

3. Deleting a database : drop database database_name;

TABLES

1. Creating table : create table tablename(variable_name1 datatype , ...);

2. To see the structure of the table : describe table_name;

3. To insert a complete row : insert into table_name values(1,”rahul”);

4. To view a table : select * from table_name;

JDBC WITH MySQL

There are 5 steps in connecting java application with MySQL database

1. Register the driver class :

   The driver class for MySQL database is com.mysql.jdbc.driver

```
Class.forName("com.mysql.jdbc.Driver");
```

2. Get connection :

   connection url for MySql database is jdbc:mysql://localhost:3306/database_name

```
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/
database_name","username","password");
```

3. Create statement :

```
Statement stmt=con.createStatement();
```

4. Execute Queries :

```
ResultSet rs=stmt.executeQuery("select * from emp_table");
while(rs.next())
System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getInt(3));
```

5. Close connection :

```
con.close();
```

NOTE

Before running the program we need to download MySQL j connector
For linux extract the downloaded mysql j connector and place the java file there.Then load the jar file by setting the classpath as

export CLASSPATH=mysql-connector-java-5.1.49.jar:.

Now compile and run !!