

Assignment No-08

Title :- Database
Connectivity.

Name -
Roll No -
Sub - DBMS.

Aim -

Write a program to implement MySQL / Oracle database connectivity with any Frontend language to implement Database navigation operations (add, delete, edit, etc.).

Objectives :-

To understand the steps of connectivity betⁿ Frontend and MYSQL.

Theory -

MYSQL-JAVA Connectivity

For connecting java application with the mysql database, you need to follow 5 steps to perform database connectivity

Driver Class : The driver class for the mysql database is `com.mysql.jdbc.Driver`.

Connection URL : The connection URL for the mysql database is `jdbc:mysql://localhost:3306/kbs`.

where `jdbc` is the API, `mysql` is database.

localhost is the server name on which mysql is running, we may also use IP addresses, 3306 is the port number and kbs is the database name.

★ To use any database replace the kbs with your database name.

Username: The default username for the mysql database is root.

Password: Password is given by the user at the time of installing the mysql database.

Example :-

```
import java.sql.*;
class MysqlCon {
    public static void main (String args []) {
        try {
            Class.forName ("com.mysql.jdbc.Driver");
            Connection con = DriverManager.
                getConnection ("jdbc:mysql://localhost
                    :3306/kbs", "root", "kbs");

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

```

ResultSet rs = stmt.executeQuery (
    "select * from empl");
while (rs.next()) {
    System.out.println(rs.getInt(1) +
        " " + rs.getString(2) + " " + rs.
        getString(3));
    }
    con.close();
}
catch (Exception e)
{
    System.out.println(e);
}
}

```

Conclusion -

Understand steps of connectivity between Java and MySQL.