**Name :** Rohit Bangar **Class :** TE-C **Roll No :** TECOC306 **Batch :** C1

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**Assignment-12**

**Title: MongoDB MySQL Connectivity**

import java.sql.\*;

import java.util.Scanner;

public class MySQL\_example {

/\*\*

\* @param args

\*/

// JDBC driver name and database URL

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static final String DB\_URL = "jdbc:mysql://localhost/STUDENTS";

// Database credentials

static final String USER = "root";

static final String PASS = "mysql";

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner scan = new Scanner(System.in);

int choice = 0;

String name;

int roll;

String sql = "";

int cnt = 0;

Connection conn = null;

Statement stmt = null;

try {

// STEP 2: Register JDBC driver

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

// STEP 3: Open a connection

System.out.println("Connecting to database...");

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

// STEP 4: Execute a query

stmt = conn.createStatement();

System.out.println("Step-4");

while (true) {

System.out.print("Choose :-" + "\n 1.Insert" + "\n 2. Update"

+ "\n 3. Display All" + "\n 4. Close\n\n" + "Choice : ");

choice = scan.nextInt();

if(choice == 4)

break;

switch (choice) {

case 1:

System.out.print("\n\nRoll no.: ");

roll = scan.nextInt();

System.out.print("\nName : ");

name = scan.next();

sql = "insert into stud values(" + roll + ",'" + name

+ "')";

cnt = stmt.executeUpdate(sql);

System.out.println(cnt + " records added !!!");

break;

case 2:

System.out.print("\n\nRoll no.: ");

roll = scan.nextInt();

System.out.print("\nUpdated Name : ");

name = scan.next();

sql = "update stud set name = '" + name + "' where roll = "

+ roll;

cnt = stmt.executeUpdate(sql);

System.out.println(cnt + " records updated !!!");

break;

case 3:

sql = "select \* from stud";

ResultSet rs = stmt.executeQuery(sql);

while (rs.next()) {

System.out.println("\nRoll : " + rs.getInt(1));

System.out.println("Name : " + rs.getString(2));

}

break;

}

}

} catch (SQLException se) {

// Handle errors for JDBC

se.printStackTrace();

} catch (Exception e) {

// Handle errors for Class.forName

e.printStackTrace();

} finally {

// STEP 5: finally block used to close resources

try {

if (stmt != null)

stmt.close();

} catch (SQLException se2) {

}// nothing we can do

try {

if (conn != null)

conn.close();

} catch (SQLException se) {

se.printStackTrace();

}// end finally try

}// end try

System.out.println("Goodbye!");

scan.close();

}// end main

// end JDBCExample

}