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import java.sql.*;
public class JDBCExample {
   // 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 = "root";
   public static void main(String[] args) {
   Connection conn = null;
   Statement stmt = null;
   try{
      // Register JDBC driver
      Class.forName("com.mysql.jdbc.Driver");
      // Open a connection
      System.out.println("Connecting to a selected database...");
      conn = DriverManager.getConnection(DB URL, USER, PASS);
      System.out.println("Connected database successfully...");
    // Execute a query for insertion
      System.out.println("Inserting records into the table...");
      stmt = conn.createStatement();
      String sql = "INSERT INTO Registration " +
                   "VALUES (100, 'Zara', 'Ali', 18)";
      stmt.executeUpdate(sql);
      stmt.executeUpdate(sql);
      sql = "INSERT INTO Registration " +
                   "VALUES (102, 'Zaid', 'Khan', 30)";
      stmt.executeUpdate(sql);
      sql = "INSERT INTO Registration " +
                   "VALUES(103, 'Sumit', 'Mittal', 28)";
      stmt.executeUpdate(sql);
      System.out.println("Inserted records into the table...");
   // Execute a query for select
      System.out.println("Creating statement for select query");
      stmt = conn.createStatement();
      String sql1 = "SELECT id, first, last, age FROM Registration";
      ResultSet rs = stmt.executeQuery(sql1);
      // Extract data from result set
      while(rs.next()){
         //Retrieve by column name
         int id = rs.getInt("id");
         int age = rs.getInt("age");
         String first = rs.getString("first");
         String last = rs.getString("last");
         //Display values
         System.out.print("ID: " + id);
        System.out.print(", Age: " + age);
System.out.print(", First: " + first);
         System.out.println(", Last: " + last);
    // Execute a query for update
      System.out.println("Creating statement for update query");
      stmt = conn.createStatement();
      String sql2 = "UPDATE Registration " +
                   "SET age = 30 WHERE id in (100, 101)";
      stmt.executeUpdate(sql2);
      // Now you can extract all the records
      // to see the updated records
     String sql4 = "SELECT id, first, last, age FROM Registration";
      ResultSet rs1 = stmt.executeQuery(sql4);
      while(rs1.next()){
         //Retrieve by column name
         int id = rs1.getInt("id");
         int age = rs1.getInt("age");
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String first = rs1.getString("first");
          String last = rs1.getString("last");
          //Display values
          System.out.print("ID: " + id);
          System.out.print(", Age: " + age);
System.out.print(", First: " + first);
System.out.println(", Last: " + last);
       }
    // Execute a query for delete
       System.out.println("Creating statement for delete");
       stmt = conn.createStatement();
       String sql3 = "DELETE FROM Registration " +
                     "WHERE id = 101";
       stmt.executeUpdate(sql3);
       // Now you can extract all the records
       // to see the remaining records
       String sql5 = "SELECT id, first, last, age FROM Registration";
       ResultSet rs2 = stmt.executeQuery(sql5);
       while(rs2.next()){
          //Retrieve by column name
          int id = rs2.getInt("id");
          int age = rs2.getInt("age");
          String first = rs2.getString("first");
          String last = rs2.getString("last");
          //Display values
          System.out.print("ID: " + id);
          System.out.print(", Age: " + age);
System.out.print(", First: " + first);
          System.out.println(", Last: " + last);
   }catch(Exception e){
       e.printStackTrace();
   System.out.println("Goodbye!");
//OUTPUT
Connecting to a selected database...
Connected database successfully...
Inserting records into the table...
Inserted records into the table...
Creating statement for select query
ID: 100, Age: 18, First: Zara, Last: Ali
ID: 101, Age: 25, First: Mahnaz, Last: Fatma
ID: 102, Age: 30, First: Zaid, Last: Khan
ID: 103, Age: 28, First: Sumit, Last: Mittal
Creating statement for update query
ID: 100, Age: 30, First: Zara, Last: Ali
ID: 101, Age: 30, First: Mahnaz, Last: Fatma ID: 102, Age: 30, First: Zaid, Last: Khan ID: 103, Age: 28, First: Sumit, Last: Mittal
Creating statement for delete
ID: 100, Age: 30, First: Zara, Last: Ali
ID: 102, Age: 30, First: Zaid, Last: Khan
ID: 103, Age: 28, First: Sumit, Last: Mittal
Goodbye!
```