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package com.tca;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

public class InsertNRecords {
    public static final String DB_URL = "jdbc:postgresql://localhost/mydb";
    public static final String DB_USER = "dnyaneshwar";
    public static final String DB_PASSWORD = "root@3121";

    public static void main(String[] args) {
        Connection con = null;
        PreparedStatement pst = null;

        // BufferedReader to take input from the user
        try (BufferedReader br = new BufferedReader(new InputStreamReader(System.in))) {
            // Loading Driver
            Class.forName("org.postgresql.Driver");

            // Forming Connection with the database
            con = DriverManager.getConnection(DB_URL, DB_USER, DB_PASSWORD);

            // variables which will be used to hold student info (roll_no, name, percentage)
            int rno = 0;
            String name = null;
            double per = 0;

            // Preparing SQL statement
            pst = con.prepareStatement("insert into student values(?, ?, ?)");
            pst.setInt(1, rno);
            pst.setString(2, name);
            pst.setDouble(3, per);

            System.out.print("How many records : ");
            int noOfRecords = Integer.parseInt(br.readLine());

            if (noOfRecords < 0) {
                System.out.println("Please enter valid number !");
                return; // Finally block will still gets executed
            }

            // loop which will insert n records
            for (int i = 1; i <= noOfRecords; ++i) {
                System.out.println("\nAccepting data for student no. " + i);

                System.out.print("Enter the roll no.   : ");
                rno = Integer.parseInt(br.readLine());

                System.out.print("Enter the name       : ");
                name = br.readLine();

                System.out.print("Enter the percentage : ");
                per = Double.parseDouble(br.readLine());

                if (pst.executeUpdate() < 1) {
                    System.out.println("\nProblem while inserting the record ! Please try again !");
                    --i;
                }
            }

            if (noOfRecords != 0)
                System.out.println("\nAll records are inserted successfully !");

        } catch (IOException ie) {
            ie.printStackTrace();
        } catch (NumberFormatException e) {
            System.out.println(e.getMessage());
            System.out.println("Please enter valid number !");
        } catch (ClassNotFoundException e) {
            System.out.println("Please make sure, you have added postgresql.jar file "
                + "in classpath or modulepath of your project.");
            System.out.println("Please check Driver class's location !");
        }
    }
}

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        e.printStackTrace();
    } catch (SQLException e) {
        e.printStackTrace();
    } finally {
        try {
            con.close();
        } catch (SQLException e) {
            System.out.println("Unable to close the connection with database !");
            e.printStackTrace();
        }
    }
}

}
```